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THE

CATALOGUE OF STARS

OF THE

BRITISH ASSOCIATION

FOR THE ADVANCEMENT OF SCIENCE;

CONTAINING THE

MEAN RIGHT ASCENSIONS AND NORTH POLAR DISTANCES OF

EIGHT THOUSAND THREE HUNDRED AND SEVENTY-SEVEN

FIXED STARS,

REDUCED TO JANUARY 1, 1850:

TOGETHER WITH THEIR

ANNUAL PRECESSIONS, SECULAR VARIATIONS AND PROPER MOTIONS,

AS WELL AS THE

LOGARITHMIC CONSTANTS FOR COMPUTING

PRECESSION, ABERRATION AND NUTATION.

WITH

A PREFACE

EXPLANATORY OF THEIR CONSTRUCTION AND APPLICATION.

BY THE LATE FRANCIS BAILY, ESQ., D.C.L. OXFORD AND DUBLIN;

PRESIDENT OF THE ROYAL ASTRONOMICAL SOCIETY;

VICE-PRESIDENT OF THE ROYAL SOCIETY; HONORARY MEMBER OF THE ROYAL IRISH ACADEMY;
FELLOW OF THE LINNEAN, GEOLOGICAL, AND ROYAL GEOGRAPHICAL SOCIETIES;
CORRESPONDING MEMBER OF THE ROYAL INSTITUTE OF SCIENCES OF PARIS, OF THE ROYAL ACADEMIES
OF BERLIN AND NAPLES, OF THE ACADEMY OF SCIENCE AND LITERATURE AT PALERMO,
OF THE AMERICAN ACADEMY OF ARTS AND SCIENCES, ETC. ETC.

Edited by W. [illegible] Lieut. R.N.

LONDON:

PUBLISHED BY RICHARD AND JOHN E. TAYLOR,

RED LION COURT, FLEET STREET.

1845.

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ADVERTISEMENT.

THE author of this Catalogue did not live to witness its completion: FRANCIS BAILY died on August 30, 1844, and the superintendence of the work was entrusted by the British Association to a Committee, consisting of the Rev. Dr. ROBINSON, the Rev. JAMES CHALLIS and myself. At this period, the whole of the Preface, and the Catalogue to sheet (N), comprising 2340 stars, had been printed off, and the copy of the remainder prepared for the Printer. The only portion of the work left incomplete related to the Notes to about 650 Stars, which Mr. BAILY had evidently intended to furnish, he having affixed asterisks to the number of each of these Stars in the Catalogue. By the admirable plan adopted by Mr. BAILY for the prosecution of his labours, together with the able assistance of Mr. R. FARLEY, who had been intimately acquainted with all the details from the commencement, Notes, however imperfect, have been supplied with comparative facility, and are distinguished from those prepared by Mr. BAILY by the letter [S.] at the end of each.

The Calculations for the Catalogue have been bound up in 50 Volumes, and are, together with some Copies of the Catalogues used in its construction, deposited for security and reference in the Kew Observatory.

W. S. STRATFORD.

NAUTICAL ALMANAC OFFICE,
June 4, 1845.

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INDEX TO THE SECTIONS.

Section		Page
I.	Preliminary and Historical Remarks	1
II.	Sir JOHN HERSCHEL's opinion of the Astronomical Society's Catalogue	4
III.	Selection of Stars for the present Catalogue	9
IV.	List of Catalogues examined, or referred to	11
V.	Mode of reducing the selected Stars to the epoch 1850	14
VI.	Annual Precession	18
VII.	Aberration	20
VIII.	Nutation	23
IX.	Construction of the Constants, a, b, c, d and a', b', c', d'	25
X.	Construction of the Annual Quantities, A, B, C, D	27
XI.	Sidereal and mean Solar Time	34
XII.	General use of the Constants and Annual Quantities	36
XIII.	Secular Variation of the Annual Precession	38
XIV.	Variation in the Constants	42
XV.	Diurnal Aberration	43
XVI.	Minute Quantities omitted in the Formulæ	44
XVII.	Proper Motion of the Stars	47
XVIII.	Revision of the Constellations	52
XIX.	BAYER's mode of lettering the Stars	63
XX.	Errors in FLAMSTEED's Catalogue	72
XXI.	Arrangement of the columns in the Catalogue	80
TABLE I.	Correction of the fictitious year, from 1800—1900	84
—— II.	Correction on account of difference of meridians	85
—— III.	Mean longitude of the Moon's node on Jan. 1 in every year	86
—— IV.	Logarithms of A and B for every tenth day of the fictitious year	87
—— V.	For computing C′ and D′ in any fictitious year	88
—— VI.	For computing C″ and D″ in any fictitious year	89
—— VII.	Antilogarithms	90
	CATALOGUE	1 to 375
	Tables of Positions and Constants for Stars near the Pole	374 to 377
	Notes	379 to 444

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ERRATA.

Page 75, Preface, line 17, *for* 31 *read* 37

—— 76, ——— Table at bottom, *insert* *18 Arietis *after* 80 Aquarii

—— 2, Catalogue, column "No." *for* 35 *read* 35*, and in its proper place in the notes, *insert* The position of this star depends entirely on the observation of Lalande (*Hist. Cél.* p. 192).

—— 8, ——— No. 147*, *for* Ceti *read* 14 Ceti

—— 9, ——— No. 159, column "Various," *dele* W 33

—— 9, ——— No. 160, column "Various," *insert* W 33

—— 24, ——— column "No." *for* 537 *read* 537*

—— 32, ——— No. 720*, "Annual Preces." *for* 3,024 *read* +3,024

—— 34, ——— column "No." *for* 721 *read* 721*

—— 38, ——— ——— *for* 845 *read* 845*

—— 40, ——— ——— *for* 891 *read* 891*

—— 44, ——— No. 990*, "Annual Preces." *for* 5,146 *read* +5,146

—— 56, ——— column "No." *for* 1237 *read* 1237*

—— 58, ——— ——— *for* 1282 *read* 1282*

—— 58, ——— ——— *for* 1300 *read* 1300*

—— 84, ——— ——— *for* 1853 *read* 1853*

—— 88, ——— ——— *for* 1980 *read* 1980*

—— 92, ——— ——— *for* 2060 *read* 2060*

—— 92, ——— ——— *for* 2068 *read* 2068*

—— 100, ——— ——— *for* 2232 *read* 2232*

—— 100, ——— ——— *for* 2245 *read* 2245*

—— 102, ——— ——— *for* 2294 *read* 2294*

—— 104, ——— ——— *for* 2316 *read* 2316*

—— 104, ——— ——— *for* 2328 *read* 2328*

—— 104, ——— ——— *for* 2332 *read* 2332*

—— 132, ——— No. 2956, "Sec. Var." *for* 0,0013 *read* −0,0013

—— 156, ——— No. 3495*, *for* Ursæ Majoris *read* Ursæ Minoris

—— 160, ——— column "No." *for* 3592 *read* 3592*

—— 169, ——— No. 3750, Log. *a'*. The sign − is wanting in some copies

—— 212, ——— column "No." *for* 4737 *read* 4737*

—— 235, ——— No. 5249, column "Various," *for* B. H. 867 *read* B. H. 687

—— 270, ——— next to No. 6046, *for* 647 *read* 6047

—— 274, ——— column "No." *for* 6137 *read* 6137*

—— 276, ——— ——— *for* 6167* *read* 6167

—— 280, ——— ——— *for* 6286 *read* 6286*

—— 320, ——— ——— *for* 7172 *read* 7172*

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PREFACE.

I. *Preliminary and Historical Remarks.*

1. THE Catalogue of stars, which is known by the name of the *Astronomical Society's Catalogue* (from the circumstance of its having been suggested and constructed by that Society, and printed at their expence) has long been in the hands of astronomers, and its utility has been frequently acknowledged and duly appreciated. It was constructed upon a method somewhat different from preceding catalogues, and was moreover accompanied by new tables for facilitating the computation of precession, aberration and nutation for every star inserted in the catalogue: an arrangement that has been found to be of great assistance and convenience to the practical astronomer, and has led to a desire to see its principles more fully developed and extended.

2. At the meeting of the *British Association for the Advancement of Science*, which was held at Liverpool in the month of September 1837, this subject was taken into consideration, and a sum of money was appropriated from the funds of that Institution, for the purpose of extending the catalogue above alluded to, not only by the introduction of a greater number of stars than those originally contemplated and adopted, but also by the insertion of the *proper motion* of such stars as were so determinable, and, in all cases, by the addition of the *secular variation* of the annual precessions.

3. As the formation and arrangement of this new catalogue has (like the former one) fallen wholly under my superintendence and control, I shall at once proceed to describe the method which I have caused to be pursued in carrying on the several reductions and operations above mentioned, and to explain the principles on which these concise and novel rules (now so universally adopted) for determining the precession, aberration and nutation are constructed. And, in this task, I shall have little more to do than to transcribe and enlarge the *Introduction*, which I prefixed

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to the *Astronomical Society's Catalogue*, with such alterations as may be requisite in consequence of the extension and additions here introduced.

4. Ever since the important discoveries of the Aberration of light, and the Nutation of the earth's axis, the attention of mathematicians has been directed to the investigation of the best means of reducing the analytical expressions of those quantities to the most simple and concise terms; in order that the effect of those phænomena on the positions of the stars may be readily determined without much trouble or loss of time. Several methods have been proposed, and many useful tables have been formed, from time to time, for that express purpose: the whole of which, however, are either founded on formulæ that do not include several minute quantities, which, in the present state of astronomy, cannot be neglected; or else are confined to a very limited number of stars.

5. Special tables, for computing the aberration and nutation of particular stars, have for a long time been used by astronomers. The first distinct publication of this kind was by M. MEZGER; who published at Manheim in 1778, his *Tabulæ Aberrationis et Nutationis* for 352 stars. There had, however, previously to that period, appeared in the volumes of the *Connaissance des tems* from 1760 to 1774, several tables of a similar kind, and containing many of the same stars; which tables M. JEAURAT subsequently collected together, and published in the *Con. des tems* for 1781. They were afterwards revised by M. DELAMBRE, and published (252 in number) in the *Con. des tems* for 1789—1791. An addition of 116 stars was made in the *Con. des tems* for 1802; and a further addition of 142 stars, in the same work for 1806: thus making the total number 510. In the *Ephémérides de Vienne* for the years 1784 and 1785, M. PILGRAM published special tables for 500 stars: but they are said to contain so many errors that it is unsafe to use them. In the year 1807, two other sets of special tables appeared, comprising nearly the same stars as those already alluded to: one by M. CAGNOLI, containing 501 stars; the other by Baron ZACH, containing 494 stars. The former is entitled *Catalogue de 501 étoiles, suivi des tables relatives d'Aberration et de Nutation*; Modena, 1807: and the latter, *Tabulæ Speciales Aberrationis et Nutationis*, &c. Gotha, 1807; 2 vols. octavo. In this last-mentioned work, the second volume only is devoted to the tables of aberration and nutation; and each star occupies a whole page. The first volume contains much useful information connected with the same subject, and many other valuable tables.

6. Hitherto the attention of astronomers had been confined to about five hundred of the principal stars: and in this state the subject remained till the year 1812, when some new tables, differently constructed and of a more general kind, were published by Baron ZACH. These are the most comprehensive as well as the most

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convenient set of tables, which had prior thereto been formed for such computations. They are entitled *Nouvelles tables d'Aberration et de Nutation pour* 1440 *étoiles;* and were published at Marseilles in 1812, in one volume octavo. But, in these tables, the solar nutation, as well as some other minute quantities, are wholly omitted: and although that celebrated author has given a rule (in page 26) whereby we may approximate to the value of the solar nutation, yet that rule is not strictly correct, and ought not to be resorted to in the present state of the science.

7. I would likewise observe, that when we wish to compute the aberration and nutation by the tables of Baron ZACH, here alluded to, it is necessary to form distinct arguments for the sines of the quantities employed; the logarithms of which quantities must be sought for, and taken out of a book of logarithms. Moreover, for the purpose of forming the arguments, reference must be made to some ephemeris; and certain proportional parts must be computed before a correct solution can be obtained. We have then to obtain the sums of four logarithms, and to find the natural numbers corresponding thereto. After this, we have to compute the precession and solar nutation for the given day, by a separate calculation of no little trouble, before we can deduce the total correction required. Those only, who are versed in such calculations, can fully appreciate the labour, the risk of error, and the loss of time concerned in these several operations.

8. By the method, however, which I shall subsequently explain, nearly the whole of this troublesome process may be saved. For, in most ordinary cases, it will not be necessary to form any argument, nor in any case need it be requisite to refer to any other work, except to an Ephemeris for the current year*. We have merely to add four logarithms found in the present catalogue, to four logarithms found in the Nautical Almanac, or in some other equivalent authority, and the natural numbers, corresponding to the sums of those logarithms, will give the whole correction, either in right ascension or declination as may be required; and with a degree of accuracy not previously attained nor even attempted.

9. The mode, by which this great saving of time and labour is obtained, has been, in some measure, already explained by me in the *Philosophical Magazine* for October 1822; and the plan, which was first published by Professor BESSEL in No. 4 of the *Astronomische Nachrichten*, has been partially acted on by Professor SCHUMACHER in his *Astronomische Hülfstafeln* for the same year. The stars in the tables of SCHUMACHER, however, do not exceed five hundred in number. It was therefore considered desirable by the *Astronomical Society* that a more extensive

* Even a reference to a table of logarithms may be obviated by the use of the two pages of logarithms in Table VII: which have been here introduced for the convenience of computers, who may not have an immediate or ready access to a book of logarithms.

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catalogue should be formed on a similar model. That work, the prototype of the present volume, was executed in the year 1827; and, although printed as an Appendix to the second volume of the *Memoirs* of the Society, was also published separately under the title of *New Tables for facilitating the computation of Precession, Aberration and Nutation of* 2881 *principal fixed Stars, together with a Catalogue of the same.* The more immediate object and utility of that work will be best seen and appreciated by reading the following extract from the Address of Sir JOHN HERSCHEL (then President of the Society) on delivering the Medals on this occasion, on April 11th, 1827.

II. *Sir JOHN HERSCHEL'S opinion of the A. S. Catalogue.*

10. "A catalogue of stars may be considered in two very distinct lights,—either as a mere list of objects placed on record to fix on them the attention of astronomers, and to afford them matter for observation,—or as a collection of well-determined zero points, offering ready means of comparing their observations with those of others, and of detecting and allowing for instrumental errors. In this light only I shall now consider it as chiefly of importance to the practical astronomer. It is for his uses that an amount of pains, labour, and expense, both national and individual, has been bestowed on the perfection of such catalogues, which, on a superficial view, must appear in the last degree lavish, but which yet has been no more than the necessity of the case demands. If we ask to what end magnificent establishments are maintained by states and sovereigns, furnished with master-pieces of art, and placed under the direction of men of first-rate talent and high-minded enthusiasm, sought out for those qualities among the foremost in the ranks of science:—if we demand *cui bono?* for what good a BRADLEY has toiled, or a MASKELYNE or a PIAZZI worn out his venerable age in watching? the answer is,—not to settle mere speculative points in the doctrine of the universe;—not to cater for the pride of man, by refined inquiries into the remoter mysteries of nature,—not to trace the path of our system through infinite space, or its history through past and future eternities. These indeed are noble ends, and which I am far from any thought of depreciating; the mind swells in their contemplation, and attains in their pursuit, an expansion and a hardihood which fit it for the boldest enterprise: but the direct practical utility of such labours is fully worthy of their speculative grandeur. The stars are the land-marks of the universe; and, amidst the endless and complicated fluctuations of our system, seem placed by its Creator as guides and records, not merely to elevate our minds by the contemplation of what is vast, but to teach us to direct our actions by reference to what is immutable in

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his works. It is indeed hardly possible to overappreciate their value in this point of view. Every well-determined star, from the moment its place is registered, becomes to the astronomer, the geographer, the navigator, the surveyor,—a point of departure which can never deceive or fail him,—the same for ever and in all places,—of a delicacy so extreme as to be a test for every instrument invented by man, yet equally adapted for the most ordinary purposes;—as available for regulating a town clock, as for conducting a navy to the Indies;—as effective for mapping down the intricacies of a petty barony, as for adjusting the boundaries of transatlantic empires. When once its place has been thoroughly ascertained and carefully recorded, the brazen circle, with which that useful work was done, may moulder, the marble pillar totter on its base, and the astronomer himself survive only in the gratitude of his posterity: but the record remains, and transfuses all its own exactness into every determination which takes it for a groundwork, giving to inferior instruments, nay even to temporary contrivances and to the observations of a few weeks or days, all the precision attained originally at the cost of so much time, labour, and expense.

11. "To avail ourselves of these records, however, we must first have the means of disentangling the observed places of the stars at any moment, from the regularly progressive effect of precession, and from a variety of minuter periodical inequalities arising from the nutation of the earth's axis, and from the aberration of light, of which the genius of theoretical, no less than the industry of practical astronomers has at length succeeded in developing the laws, and fixing the amount, so as to leave little probability of any material change being induced by future researches.

12. "The calculations, however, required for this purpose, if instituted for each particular star at the time it is wanted, are so numerous and troublesome as to become a very serious evil; the effects of which have been severely felt in astronomy in the discouragement it has offered to the reduction of observations, owing to which the labour of many an industrious observer's life has been in great measure thrown away. Indeed a lamentable picture might be drawn of the waste of valuable labour traceable to this cause. The want of tables, therefore, to facilitate the reduction of particular stars was early felt. I shall not, however, enter into any historical detail of the attempts hitherto made from time to time to supply this desideratum. A well-drawn up and concise account of them is given in Mr. BAILY's Preface to the Catalogue, which renders superfluous all I could say on the subject. Indeed, useful as they have been, and considerable as has been the pains bestowed on them, they are all so far surpassed by this work of Mr. BAILY, that it ought rather to be considered as belonging to a new class, than to

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be compared in any way with the preceding ones, which must eventually all be superseded by it*.

13. "It is time now to speak more particularly of the Catalogue itself. Its whole plan and arrangement, the selection of the stars, the preparation and revision of the formulæ, the choice of the coefficients, and the discussion of the terms to be retained or rejected, we owe to Mr. BAILY, who has stated every particular relating to it in a most elaborate Preface, which may indeed be regarded as a compendium of all that is known on the subject of the corrections, and is remarkable at once for its precision and perspicuity.

14. "A great portion of the computation has been gratuitously performed by Mr. STRATFORD, checked by a computer engaged for that purpose. From this very severe labour, however, he was unfortunately compelled to desist, I regret to say, by ill health, and his place supplied by a professional computer: but the hardly less laborious task of comparing and checking the computations of his assistants, and, what is as important in all such cases as accuracy of computation, the careful superintendence of the press, and repeated revision of the whole work, has entirely devolved on him; and never, I must say, was task performed with more diligence and exactness.

15. "The selection of the stars has been made from the catalogues of FLAMSTEED, BRADLEY, LACAILLE, MAYER, PIAZZI, and ZACH, so as to include all stars down to the 5th magnitude, wheresoever situate in the heavens,—all of the 6th magnitude, within 30° of the equator,—and all the stars to the 7th magnitude inclusive, within 10° of the ecliptic. Almost all of them, however, are to be found in the catalogues of BRADLEY or PIAZZI, from which they have been reduced to 1830 (the epoch adopted) by formulæ given by BESSEL. Their number is so considerable, that, in whatever part of the heavens we may be observing, one or more are sure to be within a moderate distance; so that no one provided with this Catalogue can possibly be at a loss for a zero-point to check his observations, and ascertain the state of adjustment of his instrument. To its convenience and utility, in this respect, I can speak from individual experience. It is indeed become my sheet anchor, and has infused into a series of observations wholly dependent on such aid, a degree of exactness which, without it, I should hardly have expected to attain.

16. "The formulæ employed for calculating the corrections are almost entirely those of BESSEL, who has laboured with such diligence and perseverance on this department of astronomy, as to make the subject almost his own. In adopting

* From this sentence, however, must be excepted special tables for the daily reduction of a certain number of select stars, whose use is no way superseded by the general Catalogue, being destined for continual, as the latter is only for occasional, reference.

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them, however, Mr. BAILY has taken nothing for granted, even from such high authority. He has gone over the whole subject anew; and the slight inaccuracies which he has detected and corrected in some of the results of this profound geometer, although almost insensible in a numerical point of view, are valuable, as proving at once the general accuracy of his investigations, and the minuteness of the scrutiny they have undergone.

17. "The most delicate part of the whole operation, however, was the choice of the several coefficients, which, if erroneously assumed, would render the whole subsequent work of no value. In making this assumption, Mr. BAILY has exercised a degree of judgment which I feel convinced will unite the suffrages of astronomers. Taking a comprehensive view of the results afforded by all former investigations, he has uniformly adhered to the principle, to steer clear of extreme quantities, and to adopt only such as not only rest on the greatest number of the best observations, but agree in their values nearly with the average of all. Thus, in the case of the aberration, the value adopted is the mean of the almost miraculously coincident results of BRINKLEY and STRUVE, and agrees within two-hundredths of a second with that of the extreme values assigned by BRADLEY and BESSEL. I have much satisfaction in being enabled to state, that this value has been recently confirmed within a very minute fraction of a second, by the praiseworthy zeal and industry of Mr. RICHARDSON of the Royal Observatory at Greenwich, who has compared, for this purpose, upwards of 2000 observations, made with the two mural circles of JONES and TROUGHTON; so that this datum may be regarded as one of the best established in astronomy. In the same cautious manner has Mr. BAILY proceeded with the other coefficients. That of precession he has taken entirely from BESSEL's elaborate investigations compared with those of LAPLACE, in which the only remaining source of uncertainty is that arising from our ignorance of the mass of Venus; the influence of which cannot possibly produce an error, however, of a tenth of a second in the precession. The nutation he has taken as it results from Dr. BRINKLEY's observations, which (like his aberration) justify this partiality by holding almost exactly an average value among all the different results of BRADLEY, MAYER, MASKELYNE, LAPLACE, and LINDENAU, and can hardly be considered as more than a tenth of a second in error.

18. "This judicious choice will secure the present tables from a possibility of ever sharing the fate of preceding labours of this sort. They can never be superseded by others of greater accuracy, nor fall into disuse, or grow obsolete, till the apparent places of the stars shall have become so much altered by the effect of precession as to render the computations inexact, for which a very long series of years will be required.

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19. "But the distinguishing characteristic of this work is the adoption throughout of Professor BESSEL's capital improvement in the system of applying the corrections, by arranging the formulæ in such a manner that all that is peculiar to each star, and permanent in magnitude, shall stand distinctly separated from all that is ephemeral, or varying from day to day; and that, in such a manner that a short ephemeral table, capable of being compressed into a single page, shall serve, not only for these stars, but for every star in the heavens. The convenience of this method, the brevity it introduces into the computations, the distinctness it gives to all the process of reduction, requiring neither thought nor memory on the computer's part, give it an incalculable advantage over every other. To reduce any observation, no other book need be opened. The work occupies four lines, and is done in half that number of minutes. If we compare this with the tedious and puzzling operation required by former processes, we shall fully agree with Mr. BAILY, that 'those only who are versed in such calculations can appreciate the 'labour, the risk of error, and the loss of time incurred in their several operations;' all which are saved by the present arrangement.

20. "These considerations will amply justify the award of your Council in your eyes and those of the world. They will justify a great deal more. At no time was the necessity of pressing on the attention of astronomers the utility, I may say, the duty, of uniformity in their systems of reduction more urgent than at present*, when hardly a nation in Europe is unprovided with a good observatory, and when rival astronomers in all quarters of the globe are contending for the palm of accuracy and diligence. So long as they persist in continuing to reduce their observations by different systems, their merits can never be fairly compared. Each may boast the perfection of his instruments, and vaunt himself in the security of his pre-eminence. Each may promulgate his standard Catalogue, which will be adhered to in his own nation, and rejected by all others; thus dividing astronomers into sects and parties,—a state of things which ought surely not to continue. The only remedy is to agree to speak one language, to adopt one system. It matters little in the present advanced state of science, whether that system be still open to infinitesimal corrections. Let astronomers only consent to use it as, like all human works, confessedly imperfect, and in process of time to be corrected: but not at the caprice of each individual who may think one coefficient a tenth of a second too small, or another as much too great; but after full consideration, when the necessity and amount of correction shall have become certainly known and generally agreed on.

* This applies with equal or greater force to the correction for refraction; a common table for which ought to be agreed on and adhered to by all.

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21. "Meanwhile, a fair opportunity is offered to rival astronomers throughout the world, to try their strength, in an arena of ample extent, and where every part of the honourable contest will be brought distinctly into sight. In giving this Catalogue to the world, we invite their examination to its errors (for such it must contain), and call on them to lend their aid to its perfection, by determining, with all the exactness their resources afford, the mean places of the stars it comprises. For this, its arrangement affords every facility, and those who observe, have no excuse for neglecting to reduce. Let us hope then, that instead of lavishing their strength in fruitless attempts to give superhuman precision to fifty or a hundred select objects, the formation of a standard Catalogue of nearly 3000 will be deemed of sufficient importance to fix the attention of astronomers; and that not only those to whom the direction of great national observatories is confided, but even private individuals, if such there be who feel themselves in possession of the means required, may take a share in this glorious, but at the same time arduous undertaking."

III. *Selection of Stars for the present catalogue.*

22. Such was Sir JOHN HERSCHEL'S opinion of the utility and advantage of the Astronomical Society's Catalogue: and the appeal which he has thus made to the practical astronomer has been nobly responded to by several distinguished operators in this branch of science, who have applied themselves not only to the special melioration and rectification of that catalogue, but also to its further improvement and enlargement. As a proof indeed of the interest thus taken in the subject, I need only refer to the various publications inserted in the next section, which contains a list of the several catalogues that have been consulted in forming the present work; nearly the whole of which have been published since the appearance of the Astronomical Society's catalogue, and chiefly for its improvement. The principal points, in which the present catalogue differs from that to which allusion has just been made, are in the great increase in the *number* of stars (being *three times* the amount of those in the former catalogue), and by the addition of the *proper motion* of the stars, and the *secular variation* of the annual precessions. In no other respect is there any material alteration either in the mode of arrangement, or in the elements and formulæ employed in the reductions.

23. The stars, which form the contents of the present catalogue, consist of the following classes:

First. All the 3222 stars, without exception, that are in BRADLEY'S catalogue, in BESSEL'S *Fundamenta Astronomiæ*; and all the 1942 stars, without exception, that are in LACAILLE'S catalogue, in his *Cœlum Australe Stelliferum*.

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Secondly. All the stars (with certain exceptions *) not included in either of these two works, that are to be found in the catalogues of

HEVELIUS,
FLAMSTEED,
MAYER,
POND,
ARGELANDER,
RUMKER,
JOHNSON.

Thirdly. All the stars, not included in either of the above catalogues, not less than the *sixth* magnitude wherever situate, nor less than the *seventh* magnitude if situate within 10° of the ecliptic, that are to be found in the catalogues of

PIAZZI,
ZACH,
WOLLASTON,
GROOMBRIDGE,
BRISBANE,
AIRY,
TAYLOR,
LACAILLE (*new*).

Fourthly. All other stars, not comprised in either of the above classifications, wherever found, or of whatever magnitude, that present any peculiar circumstances of position, discordance, variation of magnitude, proper motion, or other remarkable quality; or that may be suspected to come under any such description.

24. And, as different astronomers sometimes differ in their estimation of the magnitude of the same star (especially in the class of minor stars), I have in all cases of doubtful selection adopted that magnitude which is recorded as the *greatest*; merely in order that no star of a doubtful magnitude should be omitted, but without intending to express any decided opinion as to the apparent magnitude.

* These exceptions are the cases either where the stars are deficient in right ascension or declination, and therefore not capable of being accurately identified; or where from some other ambiguity, doubt, or inaccuracy in the observation, computation, or records, the star is not now to be found or identified in more modern catalogues. This latter class (the lost or unidentifiable stars) belongs only to the catalogues of HEVELIUS, FLAMSTEED and MAYER. Those of HEVELIUS are noted in my edition of his catalogue, inserted in Vol. XIII. of the *Memoirs* of the Roy. Astron. Soc., and those of MAYER, in my edition of his catalogue, inserted in Vol. IV. of the same *Memoirs*. As the errors of FLAMSTEED however are of more importance, since they have led to much confusion in modern catalogues, I have given in Section XX. of this Preface, a list not only of his stars that are not now to be found, but also of those that have been erroneously admitted into his catalogue.

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The estimated magnitudes of the stars, and their probable variation, are subjects that would still afford ample employment to an industrious observer, notwithstanding what has been hitherto done by preceding astronomers.

IV. *List of Catalogues examined, or referred to.*

25. As it may assist the reader, in his inquiries on this subject, I shall here subjoin the titles of the several catalogues that I have consulted in the selections, and in the computations to which I am about to allude. They are here arranged in alphabetical order, as follow:

AIRY . . . . . A Catalogue of 726 stars, deduced from the observations made at the Cambridge Observatory: reduced to 1830, and inserted in Vol. XI. of the *Memoirs* of the Roy. Astron. Society. 1840. This catalogue is referred to as AIRY (C).

—— . . . . . A Catalogue of 1439 stars (reduced to 1840), deduced from the observations made at the Royal Observatory at Greenwich, in the years 1836—1841, and inserted in the Greenwich Observations for 1842. This catalogue is referred to as AIRY (G).

ARGELANDER . *DLX Stellarum fixarum Positiones mediæ*; ineunte anno 1830. Quarto. Helsingforsiæ. 1835.

———— . *Uranometria Nova.* Octavo. Berolini. 1843. Accompanied by a celestial Atlas.

BESSEL . . . . . *Astronomische Beobachtungen für* 1818, page viii. Folio. Königsberg. 1820. The list of stars, inserted in that volume, contains the positions (reduced to 1815) of 67 stars in BRADLEY's Catalogue, which BESSEL could not find to have been observed by any modern astronomer.

BRADLEY . . . *Fundamenta Astronomiæ*, pro anno 1755: by BESSEL. Folio. Regiomonti. 1818.

BRISBANE . . . A Catalogue of 7385 Stars, chiefly in the Southern Hemisphere (reduced to 1825). Quarto. London. 1835.

CHALLIS . . . The list of computed positions of the observed stars, printed in the several annual volumes of the Astronomical Observations made at the Observatory at Cambridge, in the years 1836, &c. Quarto. Cambridge. 1837, &c.

FALLOWS . . . A Catalogue of nearly all the principal fixed stars between the zenith of the Cape of Good Hope, and the south pole; reduced to 1824. *Phil. Trans.* 1824.

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FLAMSTEED . . The British Catalogue inserted in my *Account of the Rev. JOHN FLAMSTEED.* Quarto. London. 1835*. As this catalogue contains many hundred stars (revised, corrected and re-arranged) that are not inserted in FLAMSTEED's original catalogue, I have adopted the Astronomer Royal's mode of referring to its numbers, by prefixing thereto the letters B. F.

GROOMBRIDGE . A Catalogue of Circumpolar Stars. Reduced to 1810. Quarto. London. 1838.

HENDERSON . On the Declinations of the principal fixed Stars (reduced to 1833). Inserted in Vol. X. of the *Memoirs* of the Roy. Astron. Society. 1837.

———— . The list of computed positions of the observed stars, printed in the several annual volumes of the Astronomical Observations made at the Royal Observatory at Edinburgh, in the years 1834, &c. Quarto. Edinburgh. 1838, &c.

HEVELIUS . . The Catalogue inserted by me in Vol. XIII. of the *Memoirs* of the Roy. Astron. Society. 1842. The Catalogue, given by FLAMSTEED in the 3rd volume of his *Historia Cœlestis Britannica*, is in many points very inaccurate, and the numeration of the stars very discordant: therefore I have always referred to the numbers in *my* edition, and in order to prevent any confusion as to *which* catalogue is intended, I have prefixed to such numbers the letters B. H.

JOHNSON . . . A Catalogue of 606 principal fixed Stars in the Southern Hemisphere (reduced to 1830). Quarto. London. 1835.

———— . . . The list of computed positions of the observed stars, printed in the volumes of the Astronomical Observations made at the Radcliffe Observatory, Oxford, in the years 1840 and 1841. Octavo. Oxford. 1842 and 1843. These volumes contain the first series of circumpolar observations, undertaken by this distinguished astronomer, and intended as a revision of GROOMBRIDGE's Catalogue.

KÖLLER . . . . A Catalogue of 208 stars in the Ast. Soc. Catalogue; inserted in Vol. XII. of the *Memoirs* of the Roy. Astron. Society. 1842.

LACAILLE . . A new Catalogue of 9766 southern stars, reduced to 1750. This catalogue contains, besides the 1942 stars (revised and corrected) already published in the *Cœlum Australe Stelliferum*, the whole of

* This work was published for distribution, at the expense of Government, and is not complete without the *Supplement*, printed in 1837, containing the additional pages 675—751. Those who are in possession of the first part of this work, and have not received the Supplement, may be furnished with a copy of the same, by applying to me for that purpose.

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the remaining stars deduced from the rhomboidal observations inserted in that work. The volume is now in the course of being printed, in octavo: but references have been made to it from the manuscript copy.

LACAILLE . . . A Catalogue of 398 principal Stars, for the year 1750: inserted by me in Vol. V. of the *Memoirs* of the Roy. Astron. Society. 1833. This catalogue is a revised and corrected edition of that given by LACAILLE in his *Astronomiæ Fundamenta.* Such of the stars, as are in the southern hemisphere, are included in the preceding catalogue.

LALANDE . . . A Catalogue of stars deduced from the observations recorded in the *Histoire Céleste Française*, reduced to 1800. This catalogue is now in the course of being printed, in octavo; and will contain the places of about 40,000 stars observed at the *Ecole Militaire* at Paris.

MACLEAR . . The list of computed positions of the observed stars, printed in the volume of the astronomical observations made at the Royal Observatory at the Cape of Good Hope, in the year 1834. Vol. I. Quarto. Cape G. H. 1840.

MAYER . . . . A Catalogue of 998 stars, reduced to 1756: inserted by me in Vol. IV. of the *Memoirs* of the Roy. Astron. Society. 1831. This catalogue is a revised and corrected edition of that published in the *Opera Inedita*, by LICHTENBERG.

MONTOJO . . . Mean Position of certain Stars in the Ast. Soc. Catalogue, inserted in Vol. XII. of the *Memoirs* of the Roy. Astron. Society. 1842.

PIAZZI . . . . *Præcipuarum Stellarum Inerrantium Positiones Mediæ, ineunte Seculo* XIX. Quarto. Panormi. 1814.

POND . . . . . A Catalogue of 1112 Stars. Folio. London. 1833.

RUMKER . . . Preliminary Catalogue of fixed stars . . . . . in the Southern hemisphere. Quarto. Hamburgh. 1832.

SANTINI . . . A Catalogue of 1677 stars between 0° and 10° north declination; inserted in Vol. XII. of the *Memoirs* of the Roy. Astron. Society. 1842.

TAYLOR . . . . Result of Astronomical Observations made at Madras. 5 vols. Quarto. Madras. 1832—1839. These volumes are (I believe) only to be obtained of the East India Company, who nevertheless distribute them very liberally and gratuitously to such scientific persons as apply for them.

WOLLASTON . *Fasciculus Astronomicus*, containing Observations of the Northern circumpolar Region. Quarto. London. 1800.

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WROTTESLEY. A Catalogue of the right ascensions of 1318 stars contained in the Ast. Soc. Catalogue; inserted in Vol. X. of the *Memoirs* of the Roy. Astron. Society. 1838.

————. A Supplemental Catalogue of the right ascensions of 55 stars, contained in the Ast. Soc. Catalogue, inserted in Vol. XII. of the *Memoirs* of the Roy. Astron. Society. 1842.

ZACH ..... *Stellarum Zodiacalium Catalogus Novus, ad initium Anni* 1800. This catalogue is inserted in Vol. I. of his *Tabulæ Speciales Aberrationis et Nutationis*. 2 vols. Octavo. Gothæ. 1806.

V. *Mode of reducing the selected Stars to the epoch* 1850.

26. The formulæ for deducing the positions of the stars in the present catalogue are somewhat different from those pursued in constructing the catalogue of the Astronomical Society, inasmuch as the catalogues, there referred to, were principally those of BRADLEY and PIAZZI: and the places of the stars (reduced to the year 1830) rested chiefly on their joint authority. In the present case however we are enabled, by the publication of several recent catalogues, to enlarge and improve the utility of this method very considerably. For, in order to determine more correctly the positions of the stars for the year 1850 (the epoch chosen for the present catalogue), and with the view of deducing their proper motion, or other inequality, we may now compare the united result of each star from several modern catalogues, with the position obtained from some one or other of those of a more distant epoch. The oldest catalogues, here made use of for this purpose, are those of BRADLEY, MAYER and LACAILLE (the catalogues of HEVELIUS and FLAMSTEED being omitted in this view of the subject): the modern ones are principally those of

AIRY (2),
ARGELANDER (2),
BESSEL,
BRISBANE,
HENDERSON (2),
JOHNSON (2),
POND,
RUMKER,
TAYLOR (5),
WROTTESLEY (2).

But, as these do not contain all the stars intended to form the present general catalogue, recourse has been occasionally had to the catalogues of

GROOMBRIDGE,
LALANDE,
PIAZZI,
WOLLASTON,
ZACH,

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which are of an intermediate epoch: and *these* serve either for the old or the modern authority, according to the circumstances of the case.

27. As the 5 catalogues of TAYLOR contain by far the greater portion of the stars that are here required, the method of deducing the mean modern result has been as follows. The volumes of TAYLOR have been interleaved; and, opposite to each selected star, has been inserted, in collateral columns, on the blank leaves, the position of such star for 1835 (the mean epoch of TAYLOR*) deduced from as many modern catalogues as may contain such star. If the several results of each star, thus brought up by its annual *variation*, agree in right ascension within $0^s,50$, and in north polar distance within $5'',00$, the mean result of the several authorities thus combined is assumed as the correct basis (in 1835) for the subsequent computations; except in the case of the principal stars, where greater accordance is always insisted upon, and, in fact, usually occurs †.

28. But, if in any instance the discordance exceeds these limits (which has seldom happened) a more minute examination of each of the several authorities is

* The several epochs of TAYLOR's catalogues are 1831, 1832, 1835, 1836, 1840.

† After the greater portion of these computations were actually completed, and nearly the whole of them in a state of considerable progress, I received a copy of the *fifth* volume of TAYLOR's Observations at Madras, which contained the unexpected and provoking information that he had recently discovered that the divisions of the mural circle, with which he had made his observations of declination, were affected with a systematic error, coexistent with the time of its original construction; and which he conceives had been caused by the employment of a tangent screw in setting off the divisions intermediate between every five degrees; and from an improper allowance made for the difference between the length of the tangent and the arc. However this may be, it appears that *all* his declinations, hitherto made, are consequently affected with a corresponding error, which he has, in the above mentioned fifth volume, endeavoured to correct by means of a table, depending on the divisions of those parts of the circle that were employed on the several stars observed. The *greatest* error, however, in this table is only $5'',58$, and there are but two others that amount to so much as $5'',0$; the major part of the errors being far below this quantity. Their effect likewise, on the results in the present catalogue, are still farther reduced by the combination of TAYLOR's stars with the same stars observed by other astronomers. Nevertheless it was my wish to apply the requisite corrections (however minute) to all TAYLOR's observations; but the present work was too far advanced to admit of such a remedy. For, independent of the ambiguity of the table, both in its specification and in its application (for the stars, in some of TAYLOR's volumes are denoted by their declination, and in others by their north polar distance), it was feared that more errors would be created by such an immense mass of corrections doubtfully applied, than would be obviated by such a dangerous and uncertain remedy. This, I believe, was likewise the opinion of Mr. TAYLOR himself: for, on his arrival in this country, we had several consultations on the subject; and, in order that he himself might fairly judge of the propriety of attempting any alterations in the already computed places, I put him in communication with Mr. FARLEY, who had the superintendence of that portion of the work. But, it appears that no competent or safe plan could be devised for satisfactorily effecting the object; and it was thought best to let the matter rest in its present state, with a notification of the facts as here stated.

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undertaken; and, if they cannot be reconciled, or if one is preferred to another—on account of its more general agreement—or the authority of the observer—or the number of observations—a note of the same is made and registered with the star. In some cases, however, it will be found that there is only *one* old and *one* modern authority to which a reference can be made, and the computations are consequently carried on under the presumption that they are both correct: future observations only can verify such results. In several instances indeed it has happened that the position of a star has been deduced from the observations of *one* astronomer only, either old or modern: occurrences of this kind are sufficiently indicated by the solitary reference in the list of synonyms; and it is hoped that this questionable class will engage the attention of future astronomers, with a view to their being placed on a more sure foundation.

29. This being premised, I shall now proceed to show how the positions of the several stars have been brought up to the epoch (1850) of the present catalogue, from the joint comparisons of any one of the old catalogues with the more modern catalogues of various epochs. For such purposes, I have adopted a method similar to that given by BESSEL in page 136 of his *Fund. Astron.* where he has shown how the positions of BRADLEY'S stars, for 1755, may be brought up to any other epoch, by means of the annual precessions for 1755 and 1800 there given. In fact, it is precisely in this manner that I have reduced all the stars in BRADLEY'S catalogue that have been subsequently observed by TAYLOR, or any other astronomer whose observations have been reduced to the same epoch.

30. Now, let B denote the position (either in right ascension or declination) of BRADLEY'S star in 1755, and T the position of TAYLOR'S same star in 1835; further, let p denote the precession in 1800, and π the precession in 1755, as stated in BESSEL'S catalogue; the position of the star in 1850, will then be expressed by the following formula: viz.

$$T + (T - B) \times \tfrac{3}{16} + (p - \pi) \times \tfrac{95}{6}$$

and it is in this manner (since BESSEL has given the precession for the two epochs of 1755 and 1800) that the positions of all BRADLEY'S stars have been reduced to the epoch (1850) of the present catalogue.

31. In the preceding case, the precessions for the two epochs are taken from the same catalogue: but a similar method is pursued when the precessions are taken from different catalogues. Thus, in order to deduce the positions of the stars for 1850, from the positions in LACAILLE'S *new* catalogue compared with those in the catalogue of BRISBANE or TAYLOR, the annual precessions must be taker

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from their respective catalogues*. The formula will then be, if the star is computed from BRISBANE's catalogue,

$$B' + (B' - L) \times \tfrac{1}{3} + (p - \pi) \times \tfrac{50}{3}$$

And, if TAYLOR's catalogue contains the star, the formula will be

$$T + (T - L) \times \tfrac{3}{17} + (p - \pi) \times \tfrac{50}{6}$$

In like manner, the positions of the stars for 1850, deduced from the positions in the catalogues of PIAZZI and TAYLOR, are expressed by the following formula: viz.

$$T + (T - P) \times \tfrac{3}{7} + (p - \pi) \times \tfrac{75}{8}$$

32. In these three several cases, it must be borne in mind that B', L, T, P denote respectively the positions of the stars (in right ascension or declination) in the catalogues of BRISBANE, LACAILLE, TAYLOR, and PIAZZI; and farther, that π denotes the annual precession of the oldest catalogue, and p the annual precession of the modern one†. It should be further noted that it is understood that the assumed annual precessions in the several catalogues are computed from the same elements; which is the case with all the catalogues here cited, except that of PIAZZI, where there is a slight difference. A correction however has been made, in the reductions, for this discordance, by increasing his annual precession in right ascension by $\frac{1}{900}$th part of its value. I would here also remark that the annual precessions in TAYLOR's five catalogues are not always computed for the epoch of the catalogue in which they are inserted. The first two volumes are accordant in this respect; but in the next two volumes (epochs 1835 and 1836) the annual precessions are computed for 1840; and in the last volume (epoch 1840), they are computed for the year 1845. This anomalous mode of arrangement may mislead those who consult the volumes, without due attention to this circumstance.

33. When the position of a star has been required to be reduced to the epoch (1850) from the observations of *one* astronomer only, the position is first brought up to the middle epoch by applying the annual precession in the catalogue in which the star is found; and with the annual precession obtained by means of *these* elements, the total amount of precession is computed for the interval between 1850

* This is, in fact, merely a convenient mode of allowing for the *secular variation* of the precession; as I shall more fully explain in the sequel. See Section XIII. I would likewise here remark that, in all these formulæ, where TAYLOR's catalogues 1, 2, 4, 5 are involved, it is presumed that the place of the star in such catalogues is first reduced to 1835.

† It is perhaps scarcely necessary here to repeat that, in the comparisons of the stars of BRADLEY and TAYLOR, above mentioned, p as well as π is taken from BRADLEY's catalogue.

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and the epoch of the selected catalogue. The principles, on which such computations are made, are so well known and understood, that it is not necessary to enlarge farther on the subject in this place. But I shall insert, for the information of those who are interested in such investigations, the *constants* that in some of the cases have been thus employed for computing the total precession, where the epoch of the selected catalogue has been 1750, 1800, 1810 or 1825. In these formulæ α and δ denote respectively the right ascension and declination of the star for the *middle epoch.*

$$1750.\begin{cases}\text{Prec. in } \text{Æ}. = 100\,(46'',04367 + 20'',05957 \sin\alpha \,.\, \tan\delta)\\ \text{Prec. in Dec.} = 100\,(20'',05957 \cos\alpha)\end{cases}$$

$$1800.\begin{cases}\text{Prec. in } \text{Æ}. = 50\,(46'',05138 + 20'',05714 \sin\alpha \,.\, \tan\delta)\\ \text{Prec. in Dec.} = 50\,(20'',05714 \cos\alpha)\end{cases}$$

$$1810.\begin{cases}\text{Prec. in } \text{Æ}. = 40\,(46'',05193 + 20'',05666 \sin\alpha \,.\, \tan\delta)\\ \text{Prec. in Dec.} = 40\,(20'',05666 \cos\alpha)\end{cases}$$

$$1825.\begin{cases}\text{Prec. in } \text{Æ}. = 25\,(46'',05524 + 20'',05593 \sin\alpha \,.\, \tan\delta)\\ \text{Prec. in Dec.} = 25\,(20'',05593 \cos\alpha)\end{cases}$$

34. The mean positions of the stars, thus computed for 1850, have served as elements for the calculation of certain *constant quantities*, the logarithms of which are proposed to be used for determining the Precession, Aberration and Nutation, in the manner I am about to describe. I should, however, previously observe, that it is not my intention, neither indeed is it at all necessary, in this place to enter into an investigation of the principles from which the general formulæ, in such cases, are deduced; nor to examine the several methods which have been adopted for determining the co-efficients by which they are affected. These subjects have undergone successive improvements and refinements from the time of BRADLEY to the present day; and it would be useless and presumptuous for me to attempt to add to the correctness or elegance of those formulæ, which have been introduced by some of the most eminent mathematicians, for determining the quantities here alluded to. I shall therefore proceed at once to an explanation of the particular formulæ employed in deducing the logarithms of the constants above mentioned.

VI. *Annual Precession.*

35. The position of the equinoctial point is perpetually varying, on account of the combined action of the sun, moon, and planets on the spheroidical figure of the earth. The effect produced by this action is called the precession of the equinoxes. The action of the sun and moon (which is the most considerable) tends to increase

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the precession; whilst that of the planets (which is very small) tends to retard it. The effect of the former along the ecliptic is called the *luni-solar* precession in longitude; and the difference between the two is called the *general* precession in longitude.

36. But, the annual precession of the equinoxes (independent of the *nutation*, which I shall consider in a subsequent section) is not invariably the same; but differs, from year to year, according to laws that are now pretty well ascertained. It is therefore necessary to fix on some epoch, with which observations of this kind should be compared: and astronomers have generally agreed to refer such comparisons to the year 1750. LAPLACE has given a formula (*Mécanique Céleste*, vol. iii. page 158) which, being reduced, makes the annual precession in longitude, for any year reckoned from that period, to be,

$$\text{luni-solar} = 50'',28760 - y \times 0'',0002435890$$
$$\text{general} \quad = 50'',09915 + y \times 0'',0002442966$$

BESSEL, however, in his *Fund. Astron.* page 297, and afterwards more correctly in his *Tab. Reg.* pages v and vi, considers these values to be

$$\text{luni-solar} = 50'',37572 - y \times 0'',0002435890$$
$$\text{general} \quad = 50'',21129 + y \times 0'',0002442966$$

y being in each case the number of years from 1750; *positive* after, and *negative* before that period. In the formula of LAPLACE, the mass of Venus is assumed equal to $\frac{1}{356652}$ that of the sun; whilst BESSEL assumes it equal to $\frac{1}{401861}$ only: but, in the fifth edition of the *Système du monde* (1824), page 208, LAPLACE appears to lean towards BURCKHARDT'S determination of the mass of Venus, and considers it as equal to $\frac{1}{405871}$; which nearly corresponds with that of BESSEL.

37. But, whatever be the value of the annual precession in longitude, we may in all cases determine the annual precession of a star in right ascension and declination, by means of the following general formula: viz.

$$\Delta\alpha = m + n \,.\, \sin\alpha \,.\, \tan\delta$$
$$\Delta\delta = n \,.\, \cos\alpha$$

m and n being quantities determinable from observations. BESSEL has shown, in his *Fund. Astron.* page 288, but more correctly in his *Tab. Reg.* page x, that (reckoning from 1750) we may assume

$$m = 46'',02824 + y \times 0'',0003086450$$
$$n = 20'',06442 - y \times 0'',0000970204$$

and these are the elements adopted in my computations.

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38. If therefore we assume $y = 100$, we shall have, for the year 1850 (the epoch for which the tables are computed), the following values for the annual precession in right ascension and declination:

$$\left.\begin{aligned} p &= 46'',05910 + 20'',05472 \sin \alpha \,.\, \tan \delta \\ p' &= 20'',05472 \cos \alpha \end{aligned}\right\} \qquad (A)$$

which are the quantities assumed in the construction of the tables subsequently mentioned.

39. The *annual* precession being thus found, we may readily determine its value for any *fractional* part of the year by multiplying it by $\frac{d}{365{\cdot}25}$; d being the number of days from and *after* January 1st. But, for the sake of convenience, we shall make

$$t = \frac{d}{365{\cdot}25} = {\cdot}00273785 \times d$$

40. The annual precessions, given in the catalogue, are such as belong to each star in the year 1850; so that if we wish to determine very correctly the place of a star, at the end of any considerable number of years before or after that epoch, it will be necessary to attend to the *change* of the annual precession in the given period. For this purpose I have inserted, in a collateral column, the *secular variation* of the precession; or, the change that takes place in the annual precession in the course of a hundred years. But, in order that I may not interrupt the present discussions, I shall revert to this subject separately in Section XIII.

VII. *Aberration.*

41. This phænomenon arises from the progressive motion of light, and the motion of the earth in its orbit. Light is supposed to be $8^m\,13^s,3$ in coming from the sun to the earth; but, in this interval of time, the earth has moved in its orbit through a space equal to $20'',25$ of a great circle: and this quantity is called the *constant of aberration.* This, however, is founded on the presumption that the earth (supposed to be at its mean distance from the sun) moves in a *circle*, and with an *uniform* motion: both of which are incorrect. A slight alteration, therefore, must be made in the constant above mentioned, when we come to consider the earth as moving in an *elliptical* orbit, and with a *variable* motion. For the present, however, we shall disregard this hypothesis; and refer the reader to Section XVI. where the subject will be more specially alluded to.

42. Dr. Bradley, to whom the public are indebted for the discovery of this phænomenon, considered the constant of aberration to be $20'',00$: but the investi-

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gations of DELAMBRE, relative to the velocity of light, as deduced from the eclipses of Jupiter's satellites, led him to consider it to be equal to 20″,255. Most of the present astronomers have still further increased this quantity. BESSEL, in his *Fund. Astron.* pages 112—123, makes it 20″,708 from a mean of 524 comparisons of different stars; at the same time however expressing some doubt as to its accuracy. LINDENAU, in BODE's *Jahrbuch* for 1820, page 210, makes it 20″,4486 from a comparison of 810 observations of the right ascension of *Polaris*, as observed by BRADLEY, MASKELYNE, POND, and BESSEL. STRUVE, however, in the *Observationes Astronomicæ* made at Dorpat, vol. 3, page lxiv, considers it only 20″,349, from a series of 693 observations of certain circumpolar stars; or, as 20″,361 if these observations be combined according to their weight, with those investigated by BESSEL, as above mentioned. Dr. BRINKLEY, in the *Philosophical Transactions* for 1821, page 350, from the mean of 2633 comparisons of various stars, has deduced 20″,37 as the constant of aberration*: but, in the *Transactions* of the Royal Irish Academy, Vol. XIV. he has employed a greater number of observations: and Dr. ROBINSON, by a reconsideration of the whole (amounting to 3341) has obtained the constant equal to 20″,3508. See the *Memoirs* of the Royal Astronomical Society, Vol. XI. page 5. Mr. RICHARDSON, in Vol. IV. of the *Memoirs* of the same Society, deduces the value to be 20″,5030. Dr. BUSCH, from 1949 observations made by BRADLEY at Kew and Wanstead, makes it only 20″,2116†. Dr. PETERS, from the right ascensions of 603 stars observed at Dorpat, has deduced 20″,4255; and Dr. LUNDAHL, from the north polar distances of about 1200 stars, at the same place, makes it equal to 20″,5508‡.

43. These several determinations vary from 20″,2116 to 20″,7080; and if we give each result a weight corresponding to the number of observations employed, the mean of the 13239 observations will be 20″,4192. I have therefore adopted 20″,42 as the constant of aberration in the elements for the formation of the tables to which I shall subsequently allude. This is somewhat greater than the value

* The following remark, by this distinguished astronomer and mathematician, is worthy of attention: "The investigation of the constant of aberration by direct observations of zenith distance, has not (that "I am aware of) been attempted since those of BRADLEY, by the zenith sector. A century has nearly "elapsed since his excellent observations were made. The results of M. DELAMBRE's investigations, "relative to the velocity of light, as deduced from the eclipses of Jupiter's satellites, appeared to con- "firm, in so strong a manner, the mean of BRADLEY's results, that astronomers seem to have considered "the point quite settled: but, if I mistake not, one cause for this was the paucity of instruments ade- "quate to so delicate an inquiry." Page 331.

† *Reduction of the Observations made by* BRADLEY, *to determine the quantities of Aberration and Nutation*. By Dr. BUSCH. Oxford. Quarto. 1838.

‡ *Numerus Constans Nutationis*. Auctore C. A. F. PETERS, Phil. Doc. Petropoli. Quarto. 1842.

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(20″,36) assumed in my Introduction to the Astronomical Society's Catalogue: but, at the time of the publication of that work, the investigations of ROBINSON, RICHARDSON, BUSCH, PETERS and LUNDAHL, which have thrown a new light on the subject, had not made their appearance.

44. The general formulæ, for determining the differences caused by the aberration of a star in right ascension ($\Delta\alpha$), and in declination ($\Delta\delta$), are well known to be as follow: viz.

$$\Delta\alpha = -\text{A}\,(\sin\alpha\,.\,\sin\odot + \cos\omega\,.\,\cos\alpha\,.\,\cos\odot)\sec\delta$$
$$\Delta\delta = -\text{A}\,(\cos\alpha\,.\,\sin\odot - \cos\omega\,.\,\sin\alpha\,.\,\cos\odot)\sin\delta - \text{A}\sin\omega\,.\,\cos\odot\,.\,\cos\delta$$

where A denotes the constant of aberration, α and δ the right ascension and declination of the star, ω the obliquity of the ecliptic, and $\odot$ the sun's *true* longitude at the time required.

As the tables about to be alluded to are computed for the year 1850, we must assume ω equal to the mean obliquity of the ecliptic at that period: whence by adopting BESSEL's determination, in his *Fund. Astron.* page 61, and his *Tab. Reg.* page xxvii, we have

$$\omega = 23^\circ\,27'\,31''$$

and, if we assume A = 20″,42 as above mentioned, the preceding formula will be reduced to

$$\left.\begin{aligned}\Delta\alpha &= -(20'',4200\sin\odot\,.\,\sin\alpha + 18'',7322\cos\odot\,.\,\cos\alpha)\sec\delta\\ \Delta\delta &= -(20'',4200\sin\odot\,.\,\cos\alpha - 18'',7322\cos\odot\,.\,\sin\alpha)\sin\delta - 8'',1289\cos\odot\,.\,\cos\delta\end{aligned}\right\} \quad \text{(B)}$$

45. I have already observed that these formulæ are founded on the supposition that the earth moves in a circle and with an uniform motion. The errors, which arise from this assumption, are insensible, and are disregarded by astronomers, except in some very rare cases. These errors are of two distinct kinds: one being a slight increase in the constant A, amounting to about 0″,003, which is too small to be regarded in practice*: the other, a quantity depending on the place of the sun's perigee, and which is therefore constant for each star in all places and for many years together. This latter quantity being necessarily included in the mean places, as determined by observation, ought not to be taken into account in any reductions. The exact amount of these quantities I shall hereafter allude to; as well as to the omission of certain other small values, in which the second powers of very minute quantities are involved: and shall, at the same time, allude to that part of aberration which depends on the diurnal motion of the earth. But, as these

* The analytical expression for this quantity is $\frac{1}{2}e^2$ A: where e denotes the eccentricity of the earth's orbit.

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quantities do not enter into the present investigation of the subject (since they do not form any part of the arrangement of the tables), their consideration will be better deferred to a separate section. See Section XVI.

VIII. *Nutation.*

46. Independent of the mean luni-solar precession, alluded to in the last section but one, there is a *periodical* inequality produced by the various positions of the sun and moon in their orbits, and of the moon's node. This inequality in the precession is called the nutation: and its effects are computed from the variations produced on the obliquity of the ecliptic. For, this variation being once well ascertained, the rest is merely the result of analytical investigation.

47. Bessel has shown, in his *Fund. Astron.* page 128, that the formula, given by Laplace in the *Mécanique Céleste*, for determining the nutation of the obliquity of the ecliptic, may be expressed in a more general way as follows:

$$\Delta\omega = +[9'',64800\cos\mathfrak{N} - 0'',09423\cos 2\mathfrak{N} + 0'',09390\cos 2\mathfrak{D}] \times (1+z) + [0'',49333 - 1'',24520\,z]\cos 2\odot$$

where $\mathfrak{D}$ denotes the true longitude of the moon, $\mathfrak{N}$ the *mean* longitude of the moon's node*, and z a correction (determinable from observations) to be applied to the co-efficient of the principal term in the above equation, so that we may have that co-efficient $= 9'',648\,(1+z)$.

48. The co-efficient here alluded to is the principal quantity to be determined; and has been variously stated by different authors. Bradley deduced it from observations, and assumed its value equal to $9'',00$: theory, however, gives it somewhat greater; for Mayer, in such case, makes it $9'',65$; Maskelyne $9'',55$; whilst Laplace made it, at first, as much as $10'',0556$; but subsequent investigations induced him to reduce the value, at various times; and he lastly assumed it equal to $9'',40$†. Lindenau determined its value to be $8'',989$ from an investigation of observations extending over a period comprehending three revolutions of the

* Lest it should be imagined that the *true* longitude, and not the *mean* longitude of the moon's node, ought to be adopted in the formula, it may be proper to state here that such a notion is incorrect. The adoption of the *mean* longitude is the result of an analysis which cannot well be explained in this place.

† See *Traité de Mécanique Céleste*, livre xiii. February, 1824, page 159: and *Exposition du Systéme du monde*, 5th edition, page 285. Also the *Con. des tems* for 1822, page 292, where Laplace has taken it as low as $9'',30$ if deduced from observations of the pole star: and as low as $8'',6$ if deduced from the pendulum. Laplace, in another place, has said that it is 21400 to 1 that the true value is not below $9'',31$ nor above $9'',94$.

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moon's nodes; but he afterwards further reduced this value to 8″,977. The Rev. Dr. BRINKLEY has, in the *Phil. Trans.* for 1821, page 347, determined the value of this co-efficient to be 9″,25 from a comparison of 1618 observations of various stars. Dr. ROBINSON has deduced its value to be 9″,23913; Dr. BUSCH equal to 9″,2320; Dr. PETERS equal to 9″,22305; and lastly, M. LUNDAHL equal to 9″,23635. BESSEL has adopted the final value determined by LINDENAU, as above mentioned; and in which he has been followed by many of the German astronomers: but as Dr. BRINKLEY's co-efficient does not materially differ from the mean result of the subsequent investigations, I have thought it better to retain the value (9″,25) that was adopted in my Introduction to the Astronomical Society's Catalogue, than to make a slight alteration, which after all may not be much nearer the truth.

49. This assumption will render the value of $s = -\cdot 041252$; and consequently the nutation of the obliquity of the ecliptic will be,

$$\Delta\omega = +9'',2500\cos\Omega - 0'',0903\cos 2\Omega + 0'',0900\cos 2\odot + 0'',5447\cos 2\odot$$

But, the nutation in longitude (Δ L) is deduced from the nutation of the obliquity of the ecliptic, by multiplying the first term of this equation by $2\cot 2\omega$, and the three remaining terms by $\cot\omega$; then converting the cosines into sines, and changing the signs of the several terms. Whence, by assuming $\omega = 23^\circ\,27'\,31''$, as before, we have for 1850*,

$$\Delta L = -17'',3017\sin\Omega + 0'',2081\sin 2\Omega - 0'',2074\sin 2\odot - 1'',2552\sin 2\odot$$

50. The value of $\Delta\omega$ and Δ L being thus determined, we may readily compute the effects which these variations will produce in the right ascension and declination of a star; and which will be as follow†:

$$\Delta\alpha = (\cos\omega + \sin\omega\,.\sin\alpha\,.\tan\delta)\,\Delta L - \cos\alpha\,.\tan\delta\,.\,\Delta\omega$$
$$\Delta\delta = \sin\omega\,.\cos\alpha\,.\,\Delta L + \sin\alpha\,.\,\Delta\omega$$

But, these quantities may be rendered more convenient for arithmetical computation by assuming, as before, $\omega = 23^\circ\,27'\,31''$, and expanding the different terms of the equations (except those depending on $2\odot$, which, on account of their smallness and inconvenience for tabular computation, are here omitted); whence we ob-

* The quantity depending on sin 2 Ω has been inadvertently omitted in BESSEL's formula for the nutation of longitude in his *Fund. Astron.* page 128: but has been since supplied by him in *Ast. Nach.* No. 34. Subsequent investigations, however, have shown that the co-efficient of sin 2 Ω in the nutation of longitude should be 0″,21720 instead of 0″,17297 as there stated.

† See *Fund. Astron.* page 287.

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tain the differences caused by nutation in the right ascension and declination of a star, as follow:

$$\left.\begin{aligned}
\Delta\alpha = &-(15'',872 + 6'',888 \sin\alpha \,.\, \tan\delta) \sin \mathfrak{N} \quad - 9'',250 \cos\alpha \,.\, \tan\delta \,.\, \cos \mathfrak{N} \\
&+ (\ 0'',191 + 0'',083 \sin\alpha \,.\, \tan\delta) \sin 2\,\mathfrak{N} + 0'',090 \cos\alpha \,.\, \tan\delta \,.\, \cos 2\,\mathfrak{N} \\
&-(\ 1'',151 + 0'',500 \sin\alpha \,.\, \tan\delta) \sin 2\odot - 0'',545 \cos\alpha \,.\, \tan\delta \,.\, \cos 2\odot \\
\Delta\delta = &+ 9'',250 \sin\alpha \,.\, \cos \mathfrak{N} \quad - 6'',888 \cos\alpha \,.\, \sin \mathfrak{N} \\
&- 0'',090 \sin\alpha \,.\, \cos 2\,\mathfrak{N} + 0'',083 \cos\alpha \,.\, \sin 2\,\mathfrak{N} \\
&+ 0'',545 \sin\alpha \,.\, \cos 2\odot - 0'',500 \cos\alpha \,.\, \sin 2\odot
\end{aligned}\right\} \quad (C)$$

IX. *Construction of the Constants, a, b, c, d.*

51. Let us now unite the several equations (A), (B), (C), and we shall have the following expressions for determining the differences in right ascension and declination, caused by Precession, Aberration, and Nutation. For, if we denote the *mean* right ascension and declination of a star by α and δ respectively, as before; and the *apparent* right ascension and declination of the same star by α' and δ' respectively, we shall have

$$(\alpha' - \alpha) = \Delta\alpha =$$
$$\begin{aligned}
&- 20'',420 \sin\odot \,.\, \sin\alpha \,.\, \sec\delta \\
&- 18'',732 \cos\odot \,.\, \cos\alpha \,.\, \sec\delta \\
&+ (46'',059 + 20'',055 \sin\alpha \,.\, \tan\delta)\, t \\
&- (15'',872 + 6'',888 \sin\alpha \,.\, \tan\delta) \sin \mathfrak{N} \\
&+ (\ 0'',191 + 0'',083 \sin\alpha \,.\, \tan\delta) \sin 2\,\mathfrak{N} \\
&- (\ 1'',151 + 0'',500 \sin\alpha \,.\, \tan\delta) \sin 2\odot \\
&- 9'',250 \cos\alpha \,.\, \tan\delta \,.\, \cos \mathfrak{N} \\
&+ 0'',090 \cos\alpha \,.\, \tan\delta \,.\, \cos 2\,\mathfrak{N} \\
&- 0'',545 \cos\alpha \,.\, \tan\delta \,.\, \cos 2\odot
\end{aligned}$$

$$(\delta' - \delta) = \Delta\delta =$$
$$\begin{aligned}
&- 20'',420 \sin\odot \,.\, \cos\alpha \,.\, \sin\delta \\
&- 18'',732 \cos\odot \,(\tan\omega \,.\, \cos\delta - \sin\alpha \,.\, \sin\delta) \\
&+ 20'',055 \cos\alpha \,.\, t \\
&+ (9'',250 \cos \mathfrak{N} - 0'',090 \cos 2\,\mathfrak{N}) \sin\alpha \\
&- (6'',888 \sin \mathfrak{N} - 0'',083 \sin 2\,\mathfrak{N}) \cos\alpha \\
&+ 0'',545 \cos 2\odot \sin\alpha - 0'',500 \sin 2\odot \,.\, \cos\alpha
\end{aligned}$$

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52. In order to render these formulæ more convenient in the construction of the following tables, let us make

$$\frac{6\cdot888}{20\cdot055} = \cdot34344 \qquad \frac{\cdot083}{20\cdot055} = \cdot00413 \qquad \frac{\cdot500}{20\cdot055} = \cdot02492$$

Whence we obtain

$$\begin{aligned} 46\cdot05910 \times \cdot34344 &= 15\cdot8186 = 15\cdot8716 - \cdot0530 \\ 46\cdot05910 \times \cdot00413 &= 0\cdot1903 = 0\cdot1909 - \cdot0006 \\ 46\cdot05910 \times \cdot02492 &= 1\cdot1476 = 1\cdot1515 - \cdot0039 \end{aligned}$$

And, by proper substitutions and reductions, we finally obtain

$$\begin{aligned} \Delta\alpha = &+ (t - 0\cdot343 \sin \text{☊} + 0\cdot004 \sin 2\,\text{☊} - 0\cdot025 \sin 2\,\odot) \times (46'',059 + 20'',055 \sin\alpha \,.\, \tan\delta) \\ &- (9'',250 \cos \text{☊} - 0'',090 \cos 2\,\text{☊} + 0'',545 \cos 2\,\odot) \cos\alpha \,.\, \tan\delta \\ &- 20'',420 \sin\odot \,.\, \sin\alpha \,.\, \sec\delta \\ &- 18'',732 \cos\odot \,.\, \cos\alpha \,.\, \sec\delta \\ &- 0'',0530 \sin \text{☊} + 0'',0006 \sin 2\,\text{☊} - 0'',0039 \sin 2\,\odot \end{aligned}$$

$$\begin{aligned} \Delta\delta = &+ (t - 0\cdot343 \sin \text{☊} + 0\cdot004 \sin 2\,\text{☊} - 0\cdot025 \sin 2\,\odot) \times 20'',055 \cos\alpha \\ &+ (9'',250 \cos \text{☊} - 0'',090 \cos 2\,\text{☊} + 0'',545 \cos 2\,\odot) \sin\alpha \\ &- 20'',420 \sin\odot \,.\, \cos\alpha \,.\, \sin\delta \\ &- 18'',732 \cos\odot \,(\tan\omega \,.\, \cos\delta - \sin\alpha \,.\, \sin\delta) \end{aligned}$$

53. It is manifest that the three quantities in the last line in the expression for $\Delta\alpha$, are too minute to affect the result in any sensible manner: they may therefore be wholly omitted. Whence, by making

$$\left.\begin{array}{ll} & A = - 18'',732 \cos\odot \\ & B = - 20'',420 \sin\odot \\ & C = t - 0\cdot025 \sin 2\,\odot - 0\cdot343 \sin \text{☊} + 0\cdot004 \sin 2\,\text{☊} \\ & D = - 0'',545 \cos 2\,\odot - 9'',250 \cos \text{☊} + 0'',090 \cos 2\,\text{☊} \\ \text{Cassini's} & \\ c & a = + \cos\alpha \,.\, \sec\delta \\ d & b = + \sin\alpha \,.\, \sec\delta \\ a & c = + 46'',059 + 20'',055 \sin\alpha \,.\, \tan\delta \,* \\ b & d = + \cos\alpha \,.\, \tan\delta \\ c' & a' = + \tan\omega \,.\, \cos\delta - \sin\alpha \,.\, \sin\delta \\ d' & b' = + \cos\alpha \,.\, \sin\delta \\ a' & c' = + 20'',055 \cos\alpha \\ b' & d' = - \sin\alpha \end{array}\right\} \quad (D)$$

* If the right ascensions of the stars are (as in the present catalogue) expressed in *time*, and not in *arc*, the value of c must be divided by 15, and it then becomes $c = + 3^s,0706 + 1^s,3370 \sin\alpha \,.\, \tan\delta$.

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we have the total correction for aberration, precession, and nutation, equal to

$$\left.\begin{aligned} \text{Correction in } R &= a\,A + b\,B + c\,C + d\,D \\ \text{Correction in N. P. D.} &= a'A + b'B + c'C + d'D \end{aligned}\right\} \quad (E)$$

to which may be added the proportional part of the annual *proper motion* of the star, from the beginning of the year to the day of observation, provided the proper motion is well ascertained, and of sufficient magnitude to warrant its application.

54. It is evident, on inspection, that the quantities denoted by a, b, c, d, and by a', b', c', d', may, for all the purposes of our present inquiry, be considered as *constant* for each star. Whence, tables of those values for each star, once computed, will last for many years, without requiring any material correction; particularly in the case of those stars which are not very near the pole. The logarithms of these values, for every star, are given in separate columns in the present catalogue; to the use and application of which I shall subsequently advert.

55. Throughout the whole of the formulæ in the preceding pages I have constantly referred to the *declination* of the star; and, in some of the subsequent formulæ also, the position of the star, in regard to the equator, has been the arc considered. But, with respect to the stars in the present catalogue, I have had regard only to their *north polar distance*, as being, on the whole, the most convenient and the best adapted for daily practice; more especially, since the precessions are sometimes combined with their secular variation, and with the proper motion of the star, which, on any other method of arrangement might lead to some confusion and ambiguity. And, in order to prevent any such confusion or ambiguity in the mode of notation, I shall designate the north polar distance by Δ, in contradistinction to δ, which has always been used to denote the declination *.

X. *Construction of the Annual Quantities, A, B, C, D.*

56. I shall now proceed to explain the peculiar contrivance by which the values of A and B may also be rendered equally constant for all the stars, and for any given day in any given year, notwithstanding the variation in the sun's longitude on such days:—and likewise to the method by which certain auxiliary tables may be formed for computing the annual values of C and D, which depend not only on the sun's true longitude, but also on the mean longitude of the moon. For both

* Piazzi considers the north and the south declinations as positive, and changes the sign of the precession as the declination varies: other astronomers change the sign of the declination from north to south, and continue the sign of the precession uniformly through the semicircle. By the use of the north polar distance, this ambiguity is avoided.

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these purposes, a fictitious year is assumed, commencing from that moment of time when the sun's *mean* longitude at Greenwich, at *mean* noon on January 1st, is exactly 281°: or (which is the same thing) when his mean right ascension at that time is exactly $18^h\ 44^m\ 0^s$.

57. The sun's mean motion in longitude, in a mean solar day, is $59'\ 8'',33$: whence, by continual addition, we may readily obtain his mean longitude at mean noon on every day throughout the year. These values having been found in the manner thus described, I have applied the *equation of the centre* on each day (assuming the place of the perigee on January 1st to be equal to 280° 20′ 38″ *), and thus obtained the approximate *true* longitude of the sun for each day of the fictitious year above mentioned; which will be sufficiently near for all the purposes here alluded to. But, since the mean longitude of the sun is not exactly the same at the commencement of each civil year, a correction is required, for reducing the values in the table to the true epoch, and which I shall now explain.

58. I have already observed that, in these tables, the year is supposed to commence on January 1st, at that moment of time when the sun's mean longitude at mean noon at Greenwich is exactly 281°. This I shall call the *tabular* date: but in order to adapt this date to the current date in any year, according to the usual mode of computing astronomical time from noon to noon, regard must be had to the actual mean longitude of the sun at mean noon at Greenwich, at the commencement of each year. This may be readily determined by means of the solar tables: and the values thus found, being deducted from 281°, and reduced to the fractional part of a day, will show the excess of the tabular date above the civil date, reckoned from noon. Thus, the sun's mean longitude at mean noon at Greenwich on January 1, 1800, was, according to the tables of Delambre as edited by Vince, equal to 280° 53′ 29″,9: which, being deducted from 281°, leaves 6′ 30″,1. This value, divided by 59′ 8″,33 (or the sun's mean motion in a mean solar day) gives $0^d.10994$ for the excess of the tabular date above the civil date, estimated in decimal parts of a day. This correction I shall denote by x: and its value, being thus found for the year 1800, will serve to determine the correction for any other year ($= 1800 + y$) by means of the following formula:

$$x = \frac{6'\ 30'',1 + (y - 4\beta)\ 14'\ 47'',08 - 27'',48\ y}{59'\ 8'',33}$$

$$= 0^d.10994 + \tfrac{1}{4}(y - 4\beta) - 0^d.0077446\ y \qquad \text{(F)}$$

* This will be the correct place of the perigee for the beginning of the year 1850; and its daily variation (which is allowed for) amounts to only 62″ at the end of the year: so that no perceptible error can arise from this assumption for many years either before or after that epoch.

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where y denotes the number of years from 1800, positive *after* and negative *before* that epoch; and β (which also changes its sign with the change in y) the number of bissextile *days* between the year 1800 and the *commencement* of the year $(1800 + y)$. It is in this manner that I have computed the values in Table I, the application of which will be evident from what has been here stated *.

59. But, a further correction will be required when the tables are used with reference to any other meridian than Greenwich; the amount of which will of course depend on the longitude of the place (west or east) from that observatory. Let $+ m$ denote the difference of a meridian situate *west* from Greenwich, and expressed in *hours*†: then will the correction (l), on account of the longitude, be expressed by

$$l = \frac{m}{24^h} \qquad \text{(G)}$$

60. If therefore the tabular date be denoted by τ, and the date, according to the usual mode of reckoning astronomical mean solar time, be denoted by T, we shall have

$$\tau = T + x - l$$
$$T = \tau - x + l$$

If the longitude of the place be situate *east* from Greenwich, the *sign* of l will become *changed* in each of these equations; but in the construction of Table II, this point has been noted, and must be carefully attended to in its application.

61. These equations serve to show the corresponding values of the civil date and of the tabular date on any given day at noon; to which must be added the hour of observation (h) at Greenwich, converted into the decimal part of a day, in order to obtain correctly the total corresponding value of the table at that hour‡.

* When the value of x extends beyond 24^h, as in the years 1804, 1808, and 1812, the values of A, B, C, D, refer to the afternoon of the *subsequent* day: and where x is negative, as in the year 1849, those values refer to the forenoon of the *preceding* day: always bearing in mind that the day is supposed to begin and end at noon, agreeably to the common mode of computing astronomical time.

† According as m is expressed in *hours*, *minutes*, or *seconds*, of time, we shall have l equal to the following values:

for hours $l = m \times \cdot 041666666$
for minutes $l = m \times \cdot 000694444$
for seconds $l = m \times \cdot 000011574$

‡ If we wish to express the *time of culmination* of any given star, we must make $h = S - \mathcal{R}$; increasing S by 24^h if necessary: where S denotes the sidereal time required, and $\mathcal{R}$ the right ascension of the sun at the preceding noon.

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Let h' be the hour of observation (mean solar time) under any other meridian; then will $h = h' - l$: and the argument for entering the annual tables, that exhibit the values of A, B, C, D, will be

$$\tau + (h' - x - l) = \tau + (h - x)$$

But, $(h' - x - l)$ or $(h - x)$ will generally be the *fractional* part of a day: and therefore, unless very great accuracy be required, we may use the tabular date without any correction, particularly if the star be not situate very near the pole; since the daily variation is generally but a very small quantity. In fact, even in the pole star, the nearest *hour*, or $0^{d}\cdot04$, may in all cases be taken, without the risk of causing an error of more than the hundredth part of a second in time, in right ascension.

62. The mean longitude of the moon's node on January 1st, 1800 (the assumed mean longitude of the sun being 281°), was, by the recent tables of M. Damoiseau, equal to 33° 12′ 38″, or 33°·2107. The mean motion of the longitude of the node during a mean tropical revolution of the sun is − 19°·34178: consequently we obtain, by repeated addition, the mean longitude of the node for the first day of January in any mean year required, either before or after the epoch above mentioned, at the time that the sun's assumed mean longitude is 281°. The motion of the nodes, in a mean solar day, is − 0°·052956: which is so small, that we may in general take an interval of 100 days for determining the value of $\mathfrak{N}$, and compute the intermediate quantities, depending on that argument, by simple proportion, without the risk of any perceptible error. Assuming the mean longitude of the node on January 1st, 1800, to be 33°·2107, we shall have the mean longitude on January 1st in any other mean year $(= 1800 + y)$, equal to

$$33°\cdot2107 - 19°\cdot34178\, y$$

the year being considered, in all these cases, as commencing when the sun's assumed mean longitude is 281°. It is in this manner that the values in Table III. have been computed*: and by subtracting 5°.295604 (the motion in 100 mean solar days) and its multiples, successively from the values on January 1st so computed, we obtain the mean longitude of the node on April 11th, July 20th, &c., in any common year; or on April 10th, July 19th, &c., in any bissextile year.

63. With respect to the construction of the tables, showing the logarithms of the values of A, B, C, D, which are to be used in conjunction with the logarithms

* In this table the *degree* is divided into *decimal* parts, for the convenience of computation; a method which I hope to see more generally adopted in astronomical tables.

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of *a*, *b*, *c*, *d*, in the catalogue, I would here observe that Table IV. exhibits a specimen of the results obtained for the values of the logarithms of A and B for every tenth day of the year; where

$$A = -18'',732 \cos \odot$$
$$B = = 20'',420 \sin \odot$$

as already shown in page 26; and where $\odot$ is deduced agreeably to the principles laid down in page 28. The hour of the day at Greenwich to which this table corresponds, in any given year, is shown by x, expressed in the fractional part of a day, in the column in Table I; or by $(x + l)$ under any other meridian: and, in most ordinary cases, will be sufficiently near without interpolation. But, if the value is required for any other hour, we must enter the table with the argument stated in page 29; and take the proportional part accordingly. The civil day is supposed to commence at mean noon, and to be continued, through the 24 hours, till mean noon on the following day. The year is continued to the fictitious date of December 37, for the convenience of computing the annual tables, to which I am about to allude: for, although it will readily be seen that *this* table of A and B will not vary much from one year to another, and that when once constructed, it will last for many years, without the necessity of any very material alteration, yet the case is somewhat different with respect to the values of C and D, which must necessarily be computed for *every* year for which they are required.

64. The best mode of constructing the tables of C and D is to separate the quantities, depending on $\odot$, from those which depend on $\mathfrak{Q}$. Thus, let us make

$$C' = t - 0{\cdot}025 \sin 2 \odot$$
$$D' = \ -0'',545 \cos 2 \odot$$

and

$$C'' = -{\cdot}343 \sin \mathfrak{Q} + {\cdot}004 \sin 2 \mathfrak{Q}$$
$$D'' = -9''{\cdot}250 \cos \mathfrak{Q} + 0''{\cdot}090 \cos 2 \mathfrak{Q}$$

The results, exhibited in Table V, are the values of the first two quantities

$$C' = t - \ 0{\cdot}025 \sin 2 \odot$$
$$D' = \ -0'',545 \cos 2 \odot$$

for every tenth day of the year; which day is made the argument in the first column for entering the table. In these formulæ, $\odot$ (which denotes the sun's true longitude) is determined in the manner already explained above.

65. In order to afford the means of computing the quantities depending on $\mathfrak{Q}$, reference must be made to Table III, which shows the mean longitude of the moon's

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node on January 1st in every year, agreeably to the principles already laid down in page 30. And, by adding $-5^{\circ}\cdot2956$ successively to the value set against any given year, we obtain the mean longitude of the node at the end of every interval of 100 days throughout that year. With these results, as arguments, we enter Table VI, which contains the values of the last two quantities

$$C'' = -\ \cdot343 \sin \mathfrak{N} + \cdot004 \sin 2\mathfrak{N}$$
$$D'' = -\ 9'',250 \cos \mathfrak{N} + 0'',090 \cos 2\mathfrak{N}$$

for every fifth degree of the circle; and which will not only save much time and labour to future computers, but likewise prevent that confusion and liability to error which frequently occurs when calculating the value of quantities depending on the single and double arcs. Having obtained the proper values of C'' and D'' for every hundredth day, by means of this table, we must take one-tenth part of the differences of those values; which being properly applied, will serve to determine the value, sufficiently near, for every tenth day during the year, corresponding with Jan. 1, 11, 21, 31, &c.

66. The values being thus obtained by Table VI, and added to those set against the corresponding days in Table V, we have the following values for every tenth day throughout the year:

$$C = C' + C''$$
$$D = D' + D''$$

For example: let it be required to find the values of C and D for every tenth day of the year 1850.

The values of C' and D' are already given by Table V, it therefore remains only to find C'' and D''. Now by Table III. the mean longitude of the moon's node on Jan. 1, 1850, is $146^{\circ}\cdot122$: and, by deducting $5^{\circ}\cdot2956$ successively from that value, we obtain the mean longitude of the node for every hundredth day in that year. With these values, as arguments, we obtain, by Table VI, the values of C'' and D'' as under:

1850.	$\mathfrak{N}$ = Argument.	C''	D''
Jan. 1	$146^{\circ}\cdot122$	−0·19522	+7″,70842
April 11	140·826	−0·22099	+7,18520
July 20	135·531	−0·24477	+6,60030
Oct. 28	130·235	−0·26635	+5,95886
Dec. 67	124·940	−0·28556	+5,26646

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67. The values for the intermediate decades may be taken with sufficient accuracy by means of the differences of the above values: whence we obtain the values of C and D, for every tenth day, as under:

1850.	C = (C′ + C″)	D = (D′ + D″)
Jan. 1	− 0·18587	+ 8″,21321
11	− 0·15362	+ 8,05800
21	− 0·12347	+ 7,85264
31	− 0·09609	+ 7,61659
Feb. 10	− 0·07179	+ 7,37302
20	− 0·05046	+ 7,14566
&c.	&c.	&c.

the *logarithms* of which, with their proper signs, will be the tabular values for the year 1850, as follow: viz.

1850.	log C	log D
Jan. 1	− 9·2692	+ 0·9145
11	− 9·1864	+ 0·9062
21	− 9·0916	+ 0·8950
31	− 8·9827	+ 0·8818
Feb. 10	− 8·8561	+ 0·8676
20	− 8·7029	+ 0·8540
&c.	&c.	&c.

And, in this manner we must proceed in order to determine the logarithms of C and D for every tenth day in any other year.

68. I have been thus explicit in order that the reader may fully understand the several steps of the process by which the great sacrifice of time, labour and attention, formerly unavoidable in the computation of precession, aberration and nutation, is now in a measure obviated, and reduced to a very simple arithmetical operation. In the Introduction to the Astronomical Society's Catalogue, I have given not only tables of the logarithms of the values of A and B for *every day* common to every year, but also the logarithms of the values of C and D for every 10th day of the years 1826—1830; expressing at the same time a hope that the utility and convenience of such tables for other epochs would attract the attention of the superintendents of the several national ephemerides, and induce them to publish similar tables annually. This great boon to science has, in this country at least,

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been at length bestowed most freely in all the Nautical Almanacs published since the reformation of that work in 1834: and we now have the logarithms of the values of A, B, C, D, for *every day* in the year, computed (not for a variable hour in each year, but) for mean *midnight* on all occasions, which is far more convenient. So that the elementary tables and the details, now and formerly given, are no farther necessary than as explanatory of the method originally pursued; and they are here retained for that express purpose only.

69. In the Berlin ephemeris, the logarithms of similar values are also now annually given for every tenth day in the year: and, in the *Tab. Reg.* BESSEL has given similar logarithms for every tenth day, in all the years from the beginning of the year 1750 to the beginning of the year 1850. So that this system is now made available in all the observations of astronomers from the time of LACAILLE to the present day. In order however to prevent the recurrence of any error or mistake in the use of the tables inserted in the Berlin ephemeris and in the *Tab. Reg.* when in connection with the logarithms inserted in the present Catalogue, I would here remark that the values which I designate by A and B, BESSEL designates by C and D; and *vice versâ*. Consequently the columns, which in the two German works here mentioned, are headed A, B, and C, D, must be respectively transposed, and be thus applied to the logarithms of *this* catalogue*. I should moreover state that BESSEL has assumed the fictitious year to commence when the mean longitude of the sun, on January 0, is 280°; and that he computes his days as *sidereal*, not as mean solar days: so that an attention to these particulars also is requisite in using BESSEL's A, B, C, D, in connection with the logarithms in this catalogue. I should likewise here mention that he always refers to the *declination*, and not to the north polar distance of a star.

XI. *Sidereal and mean Solar time.*

70. I have already remarked that the tables computed by BESSEL in his *Tab. Reg.* and since adopted by other German astronomers, are arranged and adapted to *sidereal* time: and the argument for entering those tables is the sidereal time of observation. This, undoubtedly, would be the most convenient arrangement, if the tables were used solely for the purpose of *reducing* observations. But, since

* It may be proper here to state that, in the choice of characters to represent given quantities, I have thought it desirable that we should, as much as possible, make them serve the purpose of an *artificial memory*. It is on this account that I have made A, B, represent the quantity by which the ABerration is determined; C the quantity by which the preCession is determined; and D the quantity by which the Deviation, or (as it is now more generally called) the nutation, is determined.

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they may be frequently used for determining the apparent places of stars, which have been observed not only at the moment of culmination, but also at a distance from the meridian, (which will, for the most part, be the case in comparing them with a comet, or planet, in taking altitudes for the time, in the computation of occultations, and in other branches of practical astronomy) I am induced to believe that the use of the tables is rendered more general and convenient, by adapting them to *mean solar* time. More especially as these tables may frequently be resorted to by persons travelling for the purposes of science, and by others who have not the advantage of fixed instruments, and to whom the arrangement of mean solar time will be more familiar and useful than that of sidereal time. The tables therefore that have been here adopted are computed for *mean solar time, on the meridian of Greenwich.*

71. But, since it is not necessary to attend to the nearest minute of time, (and, in most cases, not even to the nearest hour) we may readily convert the one species of time into the other, when found necessary. For, if we denote the mean solar time at Greenwich by h, the corresponding sidereal time by S, and the *mean* right ascension of the sun at the preceding *mean* noon at Greenwich by Æ, we shall have, in all cases, sufficiently near for our present purpose*,

$$h = \text{S} - \text{Æ}$$
$$\text{S} = h + \text{Æ}$$

72. In the same tables also of BESSEL, the fictitious year (alluded to in page 34) is supposed to commence from that moment of time when the sun's mean longitude at *Paris*, at mean noon on January 0, is exactly 280°; or when his mean right ascension at that time is $18^h\,40^m$; and the year is supposed to consist of $366\frac{1}{4}$ *sidereal* days. The sun's mean motion in longitude in a sidereal day is $58'\,58'',64$; whence, by continual addition we obtain his mean longitude at $18^h\,40^m$ sidereal time on every day throughout the year: and, by applying the equation of the centre (as already explained) we obtain his true longitude for the respective sidereal days required.

73. By a similar method of proceeding, the mean longitude of the moon's node has been determined by him for January 0, 1800, when the mean longitude of the sun was exactly 280°. And by adding successively $-\,19°{\cdot}342$ (or the mean motion

* The true values are $h = \text{S} - \text{Æ} - a$, and $\text{S} = h + \text{Æ} + \text{A}$: where a denotes the acceleration of the fixed stars (expressed in mean solar time) for the time $(\text{S} - \text{Æ})$; and A the acceleration (expressed in sidereal time) for the time h. But a never exceeds $3^m\,55^s,909$: and A never exceeds $3^m\,56^s,555$. Consequently the argument for entering the table, for the moment of culmination at *Greenwich*, will be $r + (\text{S} - \text{Æ}) - x$: where S must be increased by 24^h if necessary.

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of the longitude of the node in a sidereal year), we obtain the mean longitude of the node on January 0, at $18^h\ 40^m$ sidereal time, in every succeeding year. The mean motion in 100 *sidereal* days is $-5^\circ{\cdot}281$: whence we obtain, as in page 30, the mean longitude of the node at $18^h\ 40^m$ sidereal time on January 0, April 10, July 19, &c. in any year.

It is on these principles that BESSEL has computed his tables for the values of A, B, C, D; which are adapted to *sidereal* time: and which must be carefully distinguished from the tables of those quantities, in the Nautical Almanac, which are adapted to *mean solar* time. These observations, however, do not extend to the Catalogue, containing the logarithms of the values of a, b, c, d, and a', b', c', d'; since those values are independent of the time employed, and may be used with either arrangement.

XII. *General use of the Constants and Annual Quantities.*

74. I shall now proceed to show the use and application of this method in determining the corrections of a star for precession, aberration and nutation. I have already explained how BESSEL deduced the values of A, B, C, D, from the assumption of a *fictitious year*, commencing when the mean longitude of the sun on January 0, was at 280°*; a method which has been of great use to the practical astronomer not only at the present day, but also in enabling us (by tables given in his *Tab. Reg.*) to carry back our researches to the time of LACAILLE. A slight alteration however in this method has been introduced into the Nautical Almanac, by taking the *true* longitude of the sun on each day, and computing the values of A, B, C, D for *midnight*. By this arrangement, Table I, at the end of this preface, is no farther requisite than as explanatory of the original method proposed, and as illustrating the examples that I am now about to adduce.

75. The general rule, for finding the correction for precession, aberration and nutation of a star, according to the method here explained, is by page 27 expressed as follows:

$$\text{Correction in } \mathcal{R}. = a\,\mathrm{A} + b\,\mathrm{B} + c\,\mathrm{C} + d\,\mathrm{D}$$
$$\text{Correction in N. P. D.} = a'\mathrm{A} + b'\mathrm{B} + c'\mathrm{C} + d'\mathrm{D}$$

So that we have only to take out from the Catalogue, and opposite the given star, the logarithms of a, b, c, d, and a', b', c', d', with their proper signs; and to write down under these respectively, from the Nautical Almanac (or some other similarly

* The epoch, which I have assumed in this preface, is January 1st, when the mean longitude of the sun was at 281°.

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constructed ephemeris), opposite the given day, the logarithms of A, B, C, D, with their proper signs. The whole of the subsequent process then will be, merely to add each pair together, and take out respectively the natural numbers corresponding to the sum of each pair of logarithms. But it should be particularly observed that the *signs* annexed to the logarithms affect only the *natural* numbers; for, in *all* cases, the logarithms are to be *added* together: and with respect to the signs, it must be observed that the addition of two *like* signs produces a *positive* natural number, and the addition of two *unlike* signs produces a *negative* natural number. The sum of the four natural numbers thus produced (regard being had to their signs) will be the total correction required in right ascension or north polar distance on the given day, and for midnight at Greenwich. This correction, applied to the *mean* place of the star at the *beginning of the year*, will give the *apparent* place of the star at midnight *on the day required.*

76. If the hour of observation at Greenwich differs much from midnight, and if great accuracy is required, we must find the correct values of A and B in the Nautical Almanac by interpolation, and take the proportionate value corresponding thereto: but, in most ordinary cases, this will be unnecessary. The values of C and D will not require such correction.

77. In like manner, if the place of observation is far distant from Greenwich, and the Nautical Almanac be used, we must correct the values of A and B, for the difference of longitude, expressed in time, in Table II.

78. I shall now exhibit an example of the method of proceeding in the usual cases. Thus, let it be required to determine the correction for annual precession, aberration, and nutation, of γ *Tauri*, both in right ascension and north polar distance, on Feb. 10, 1850. By Table IV, we find the logarithms of A and B; and in the short table in page 33 we find the logarithms of C and D*: therefore the operation will stand thus:

In Right Ascension.

	a	*b*	*c*	*d*
By Cat. γ *Tauri*	$= +8\cdot4993$	$+8\cdot7887$	$+0\cdot5309$	$+7\cdot9196$
By Tables. Feb. 10.	$= -1\cdot1672$	$+1\cdot1024$	$-8\cdot8561$	$+0\cdot8676$
Sum	$= -9\cdot6665$	$+9\cdot8911$	$-9\cdot3870$	$+8\cdot7872$
Natural numbers by Tab. VII.	$= -0^s,464$	$+0^s,778$	$-0^s,244$	$+0^s,061 = +0^s,131$

* When the Nautical Almanac for 1850 appears, these logarithms will be found at one opening of the book, for every day in each month: but the logarithms will probably slightly differ from those which are here stated, inasmuch as the assumed time in the Nautical Almanac is *midnight*. The difference however will not be material.

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In North Polar Distance.

	a'	b'	c'	d'
By Cat. γ *Tauri*	$= -9{\cdot}2662$	$-9{\cdot}0801$	$-0{\cdot}9620$	$+9{\cdot}9492$
(as before) Feb. 10.	$= -1{\cdot}1672$	$+1{\cdot}1024$	$-8{\cdot}8561$	$+0{\cdot}8676$
Sum	$= +0{\cdot}4334$	$-0{\cdot}1825$	$+9{\cdot}8181$	$+0{\cdot}8168$
Natural numbers by Tab. VII.	$= +2''{,}713$	$-1''{,}523$	$+0''{,}658$	$+6''{,}559 = +8''{,}407$

Whence it appears that the total correction in right ascension is $= +0^s{,}131$, and, in north polar distance, $= +8''{,}407$. These quantities must be applied, with the proper signs, in the usual manner, to the *mean* place of the star at the beginning of the year, in order to obtain the *apparent* place on the given day: whence we deduce, for the apparent place of γ *Tauri* on Feb. 10, 1850,

$$\text{A}\!\text{R} = 4^h\ 11^m\ 15^s{,}74 + 0^s{,}131 = 4^h\ 11^m\ 15^s{,}871$$
$$\text{N. P. D.} = 74^\circ\ 44'\ 20''{,}8 + 8''{,}407 = 74^\circ\ 44'\ 29''{,}207$$

79. The above result is obtained by using the values of A, B, C, D, which have here been deduced by the method of a fictitious year, as already explained in page 28; and therefore it is rigorously correct only if the star has been observed at $5^h\ 21^m$ mean solar time at Greenwich. But we might very readily find the true values for any other hour, and for any other meridian by taking the proper proportional parts, as already indicated in page 30. As this method of proceeding however must be evident to every practical astronomer, I shall not farther advert to it in this place: and as the values of A, B, C, D, in the Nautical Almanac, are always computed for *midnight*, the value of x (in Table I.) becomes constant, or equal to 12^h; and we need only attend to the variation of h, and to the difference of longitude, where great accuracy is required.

XIII. *Secular Variation of the Annual Precession.*

80. The annual precession of a star is sufficiently correct for a few years only, more especially if the star is one of those that are called circumpolar stars; so that it is always requisite, even in short periods, when great accuracy is desired, to take into account the second power of the time that intervenes*. In the present advanced state of astronomy it has therefore become desirable to know the exact increase or decrease which the annual precession of each star undergoes from year

* This has been virtually accomplished in reducing the stars of the present catalogue to the given epoch (1850), by pursuing the method already explained in page 17.

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to year. But, as this annual change of the precession is generally small in amount, and constant for a very long period, it is commonly known by the name of the *secular variation*; for, when inserted in tables (as in the present catalogue) it is usually multiplied by 100, for the sake of a convenient arrangement of the figures. The annual variation, or differential, of the precession is expressed by the following formulæ, where p and p' denote respectively the annual precession in right ascension and declination, as in page 20; it being understood that p is here divided by 15, in order to reduce it to time, agreeably to what is stated in page 26.

$$\Delta p = p \,.\, \sin 1''.p' \,.\, \tan \delta + \frac{1}{15} \sin 1'' \,.\, \tan \alpha \,.\, \sec^2 \delta \,.\, (p')^2$$
$$\Delta p' = -15 n \,.\, \sin 1'' \,.\, \sin \alpha \,.\, p$$

which, being multiplied by 100, will express the *secular* variations of the annual precessions of the several stars in the present catalogue*.

81. Assuming therefore the annual precession of a star in the catalogue to be denoted by p, the secular variation by s, and the annual proper motion by μ, the change of position in the star (either in right ascension or north polar distance as the case may be) on January 1st $(1850 + y)$, will be expressed by

$$(p + \mu + \frac{s}{100} \times \tfrac{1}{2} y) \times y$$

where y, which denotes the number of years from 1850, must be assumed + *after*, and — *before*, that epoch. And in this manner the mean place of a star in this catalogue should be brought up from the present epoch to the commencement of any other required year, before we apply the annual correction for precession, aberration and nutation. But, in most ordinary occasions, the proper motion may be omitted; and, for very short periods, the secular variation also. Whence it will be requisite, in such cases, only to multiply the annual precession by the number of years elapsed; and the formula then becomes merely $p \times y$.

82. When a star however is near the pole and the interval of time great, it is sometimes requisite, more especially in computing the right ascension, to take into account not only the second, but also the third and higher powers of the time; the formulæ for which are more troublesome than those which I have just adduced, and could not be conveniently expressed in a tabular form, in the present catalogue. But Bessel has, in his *Fund. Astron.* page 300, and in his *Tab. Reg.* page viii, pointed out a method whereby the right ascension and declination of such stars, for any epoch different from that of the catalogue (exclusive of any proper motion that may belong to the star), may be obtained without any very great

* See Delambre's *Astronomie*, vol. i. page 452; Woodhouse's *Treatise on Astronomy*, vol. i. page 344.

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trouble: and he has frequently made use of these formulæ. As BESSEL's investigation of this problem is too long to be here inserted, I shall refer the reader to his works above mentioned for an explanation of the method; adopting the notation which he has employed, in order to prevent confusion. Thus, let α and δ denote the right ascension and declination of the star, as given in the catalogue, and let α' and δ' denote the required right ascension and declination of the same star for any other epoch; the right ascension being expressed in *arc*. Now make

$$A = \alpha + (z + \lambda)$$

$$p = \sin\theta\,(\tan\delta + \tan\tfrac{1}{2}\theta\,.\cos A)$$

and assume

$$A' = \alpha' - (z' - \lambda')$$

we shall then have

$$\tan(A' - A) = \frac{p\,.\sin A}{1 - p\,.\cos A}$$

$$\tan\tfrac{1}{2}(\delta' - \delta) = \frac{\cos\tfrac{1}{2}(A' + A)}{\cos\tfrac{1}{2}(A' - A)} \times \tan\tfrac{1}{2}\theta$$

and consequently

$$\alpha' = (A' - A) + A + (z' - \lambda')$$

83. These are BESSEL's formulæ; and, agreeably to the principles that he has laid down, I have computed the numerical values of $(z + \lambda)$, $(z' - \lambda')$, and θ, for the years 1750 and 1755, and for every tenth year from 1800 to 1900 both inclusive. The values for any intermediate year may be readily deduced by proportion, the differences being constant.

Year.	$(z+\lambda)$	$(z'-\lambda')$	θ
	° ′ ″	° ′ ″	° ′ ″
1750	−0 38 24,7	−0 38 19,7	−0 33 25,9
1755	−0 36 29,7	−0 36 24,5	−0 31 45,6
1800	−0 19 14,7	−0 19 7,9	−0 16 42,9
1810	−0 15 23,8	−0 15 18,3	−0 13 22,3
1820	−0 11 32,8	−0 11 28,7	−0 10 1,7
1830	−0 7 41,9	−0 7 39,2	−0 6 41,1
1840	−0 3 50,9	−0 3 49,6	−0 3 20,6
1850	0 0 0	0 0 0	0 0 0
1860	+0 3 48,9	+0 3 51,8	+0 3 20,5
1870	+0 7 37,8	+0 7 43,6	+0 6 41,1
1880	+0 11 26,7	+0 11 35,3	+0 10 1,6
1890	+0 15 15,6	+0 15 27,1	+0 13 22,2
1900	+0 19 4,4	+0 19 18,9	+0 16 42,7

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84. By means of this table the position of any of the circumpolar stars in this catalogue may be determined with considerable accuracy for any epoch, before or after the year 1850; and in some cases even if the interval be as much as a hundred years. As an example, I shall take the case of *Polaris*; and, from its position in the present catalogue, deduce, by the aid of this formula, its right ascension at the time of BRADLEY in 1755, a period of 95 years. Here we have

$$\begin{aligned} \alpha &= 16^{\circ}\ 15'\ 21'',3 = 1^{h}\ 5^{m}\ 1^{s},42 \\ \delta &= 88\ 30\ 35,0 \\ (z+\lambda) &= -\ 0\ 36\ 29,7 \\ (z'-\lambda') &= -\ 0\ 36\ 24,5 \\ \theta &= -\ 0\ 31\ 45,6 \end{aligned}$$

and I shall here assume $p = \sin\theta.\tan\delta$ only; because the omission of the quantity $\tan\frac{1}{2}\theta.\cos A$ (which may in general be neglected) will not make any material difference in the present case*. The computation will then stand as follows.

$$\begin{aligned} \alpha &= 16^{\circ}\ 15'\ 21'',3 \\ (z+\lambda) &= -\ 36\ 29,7 \\ A &= 15\ 38\ 51,6 \\ (z'-\lambda') &= -\ 36\ 24,5 \\ A+(z'-\lambda') &= 15\ 2\ 27,1 \\ \\ \cos A &= +\ 9{\cdot}9835986 \\ p &= -\ 9{\cdot}5503579 \\ -{\cdot}341945 &= -\ 9{\cdot}5339565 \end{aligned}$$

$$\begin{aligned} \sin\theta &= -\ 0^{\circ}\ 31'\ 45'',6 = -\ 7{\cdot}9656004 \\ \tan\delta &= 88\ 30\ 35,0 = +\ 1{\cdot}5847575 \\ p &= -\ 9{\cdot}5503579 \\ \sin A &= +\ 9{\cdot}4309144 \\ &\quad -\ 8{\cdot}9812723 \\ 1-p.\cos A &= 1{\cdot}341945 = +\ 0{\cdot}1277347 \\ \tan(A'-A) &= -\ 4^{\circ}\ 4'\ 57'',0 = -\ 8{\cdot}8535376 \\ A+(z'-\lambda') &= 15\ 2\ 27,1 \\ \alpha' &= 10\ 57\ 30,1 \text{ in } 1755 \end{aligned}$$

The annual proper motion of this star in right ascension is, by the Nautical Almanac, + 1″,35 which, in 95 years, will amount to 2′ 8″,3; and this being deducted from α', we have 10° 55′ 21″,8 for the correct right ascension of the star in 1755. BRADLEY'S right ascension of this star for the same epoch, in the *Fund. Astron.* is 10° 55′ 34″,4 which would accord with the result here obtained by means of the formula, if we might assume the annual proper motion to be + 1″,22 instead of + 1″,35 as adopted in the Nautical Almanac. But, on this subject, see the *Tab. Reg.* pages xiii and xliii.

85. As there are a few stars in the present catalogue, situate near the poles,

* It would increase the present resulting quantity, tan (A′ − A), exactly one second of space.

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whose positions in right ascension might not be considered to be determined with sufficient accuracy, if computed solely by the method explained in page 16, I have deduced the right ascension (for 1850) of such stars, by means of the formula here given. And, that I might not omit any star that may be presumed to require this degree of accuracy, I have extended the computation to all the stars whose annual precession (in right ascension) amounts to as much as 10 seconds in time: this being considered a sufficient limit for such an inquiry on the present occasion.

86. In order to give a graphical representation of this limit, I would remark that on a map of the circumpolar stars in either hemisphere, there is usually drawn a line through the poles of the equator and the ecliptic, called the solstitial colure. From the pole of the equator, and towards the pole of the ecliptic, set off on that line the distance of 3° of declination: then with one leg of a pair of compasses in that point, describe with the other leg a circle through the pole of the equator. From the pole of the equator, and on the line on the side opposite to that just described, set off the distance of $5\frac{1}{2}$° of declination: then with one leg of a pair of compasses in that point, describe in like manner with the other leg a circle through the pole of the equator. These four circles (the two at the north pole, and the two at the south pole) will comprise all the stars whose annual precession in right ascension amounts to as much as 10 seconds in time. In the present catalogue there are about 30 stars that are so situate, and whose right ascensions have consequently been subjected to the method of computation above alluded to: but the north polar distances of all the stars are computed in the usual manner.

XIV. *Variation in the Constants.*

87. In the investigation of the equations which compose the formulæ (D) in page 26, I have considered the values of a, b, c, d, and a', b', c', d', as constant for a number of years together. This however cannot be strictly true, since the values of α and δ are gradually changing, from the effects of precession and other causes. These variations however, from year to year, are so very slight, that a long period may elapse before any considerable difference will arise in the arithmetical value of those quantities: and the tables may consequently be used, for several years to come, without the risk of any material error.

In fact, since the quantities a, b, c, d, and a', b', c', d', depend on arcs which are expressed by the sine and cosine of the right ascension of the star, it consequently happens that the variations in their logarithms, caused by a variation in the right ascension, are the greatest when the arithmetical value of the corresponding number is the least: and *vice versâ*. So that a variation, which, under other circum-

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stances, might cause a sensible difference, is not, in this case, of so much importance. The only material variation will be in the values of a, b, c, d, which relate to the right ascension; and in the case chiefly of those stars that have considerable declination; since those values depend also on the tangent or secant of the declination. But, these cases are of rare occurrence, as far as the present catalogue is concerned; since the principal part of the stars, herein contained, are much nearer to the equator than to the poles: and if greater accuracy is required for such stars, at any distant period, an express computation must be made for that purpose. At the end of the present catalogue, however, the values are given, for every ten years to the end of the present century, for *Polaris* and a few other stars near the pole, that are inserted in the list of 100 principal stars in the Nautical Almanac.

XV. *Diurnal Aberration.*

88. The diurnal motion of the earth on its axis produces an aberration, which it may be proper here to notice, if it be only for the purpose of showing that it is insensible, and may therefore be safely omitted in any reductions. The amount of this aberration is determined from the annual aberration, by comparing the equatorial velocity of the earth on its axis, with the velocity of the earth in its orbit.

If we assume the sun's parallax to be $8''{,}6$ at its mean distance, we shall find that the earth's orbital velocity will be to its rotatory velocity, as unity to $\frac{365{\cdot}25}{24024}$, or as 1 to $\cdot 0152$. And if we represent the annual aberration by $20''{,}42$, the diurnal aberration will consequently be $0''{,}3104$. But, this quantity depends not only on the geographical latitude (λ) of the place, and on the declination (δ) of the star, but also on the hour angle (γ) of the star from the meridian: and the general expression for its value will be

$$\Delta\alpha = 0''{,}310 \cos\lambda \,.\, \sec\delta \,.\, \cos\gamma$$
$$\Delta\delta = 0''{,}310 \cos\lambda \,.\, \sin\delta \,.\, \sin\gamma$$

Whence it appears that, when a star is on the meridian, its diurnal aberration in right ascension is at its maximum: and that, at that moment, the diurnal aberration in declination vanishes. On the contrary, when the star is situate six hours from the meridian (or when $\gamma = 90^\circ$) the diurnal aberration in right ascension vanishes, and in declination arrives at its maximum.

If we take the case of the pole-star at Greenwich in 1850, we shall find that its diurnal aberration in right ascension, when on the meridian, is equal to $7''{,}423$: and that its diurnal aberration in declination, when distant 90° from the meridian, is $0''{,}193$. On the equator these values would be $11''{,}920$ and $0''{,}310$.

89. As these quantities are constant for each particular star, at each observatory

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(according to the declination of the star and the latitude of the place) these formulæ are of use only in comparing the observations made at one observatory with those made at another observatory. And as those observations are usually made on the meridian, we shall have the following convenient formula for such comparisons: viz.

$$\Delta\alpha = 0'',310 \sec\delta\,(\cos\lambda - \cos\lambda')$$

where λ' denotes the geographical latitude of the place nearest to the equator. But, these are refinements which are not generally adopted in practice; and may be safely omitted in our present view of the subject.

XVI. *Minute quantities omitted in the Formulæ.*

90. I have already stated that the formulæ (B) in page 22, for determining the aberration of a star, are founded on the supposition that the earth moves in a circle, and with an uniform motion. Let us now see what difference will arise from the assumption that the earth moves in an ellipse, and with a variable motion.

It has been shown by DELAMBRE in his *Astronomie*, vol. iii, chap. xxx, by BIOT in his *Traité d'Astronomie Physique*, vol. iii, page 161, and by BESSEL in the *Zeitschrift für Astronomie*, vol. vi, page 222, that the formulæ for determining the aberration of a star in right ascension and declination, will, in such case (instead of being exactly as they are stated in the above-mentioned formulæ in page 22) be more correctly expressed by the following formulæ:

$$\left.\begin{aligned}
\Delta\alpha &= -\text{A}(1+\tfrac{1}{2}e^2)\times(\sin\alpha\,.\,\sin\odot + \cos\omega\,.\,\cos\alpha\,.\,\cos\odot)\sec\delta \\
&\quad -\text{A}\,e\times(\sin\alpha\,.\,\sin\varpi + \cos\omega\,.\,\cos\alpha\,.\,\cos\varpi)\sec\delta \\
\Delta\delta &= -\text{A}(1+\tfrac{1}{2}e^2).[(\cos\alpha\,.\,\sin\odot - \cos\omega\,.\,\sin\alpha\,.\,\cos\odot)\sin\delta - \sin\omega\,.\,\cos\odot\,.\,\cos\delta] \\
&\quad -\text{A}\,e\,.[(\cos\alpha\,.\,\sin\varpi - \cos\omega\,.\,\sin\alpha\,.\,\cos\varpi)\sin\delta - \sin\omega\,.\,\cos\varpi\,.\,\cos\delta]
\end{aligned}\right\}\quad\text{(E)}$$

where e denotes the ellipticity of the earth's orbit, and ϖ the longitude of the sun's perigee. Now, since the former is ·0168, we shall have

$$\text{A}(1+\tfrac{1}{2}e^2) = 20'',42\times 1{\cdot}00014 = 20'',423$$
$$\text{A}\,e = 20'',42\times\ {\cdot}0168\ = 0'',343$$

But, $\text{A}(1+\frac{1}{2}e^2)$ differs so little from A, that the first terms in the equation (E) above given, may be (and are in general) considered the same as the formulæ (B) in page 22.

91. With respect to the second terms in this equation, it should be remembered that the place of the sun's perigee varies only 62″ from year to year; consequently,

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ϖ (here assumed as 280° 20′ 38″) may, for all the purposes of the present inquiry, be considered invariable. Whence, the value of this part of the equation (thus depending on the longitude of the sun's perigee) may be considered as a *constant* quantity, differing in amount only according to the position of such star in the heavens. On this account, and as it is necessarily included in all observations, it is very properly omitted in the process of reduction.

92. Since A e is equal to $\frac{A}{60}$ nearly, and ϖ at the present time equal to about 280°, we may readily determine the above constant for each star, by means of the ordinary tables of aberration; for, by assuming $\odot = 280°$, and taking $\frac{1}{60}$th part of the resulting value, we shall have the required constant sufficiently near. Or, we may obtain it more correctly, and more readily, by means of the logarithms of a and b, a' and b' in the present catalogue; for, by assuming A and B, in the formula (D) in page 26, equal to the following values, viz.

$$A = -\cdot 0168 \times 18'',732 \cos 280° \qquad \log. = -8\cdot 7363$$
$$B = -\cdot 0168 \times 20'',420 \sin 280° \qquad \log. = +9\cdot 5274$$

we shall have the required constant

$$\text{in } \mathcal{R} \quad = A\,a + B\,b$$
$$\text{in Dec} = A\,a' + B\,b'$$

As this is a subject, however, more of curiosity than of any real utility, I shall not pursue the inquiry any further.

93. In deducing these formulæ for the aberration, it should be observed that regard has been had to the *first* powers only of A: but, if we extend the investigation so as to include the *second* powers, we shall have the following *additional* quantities:

$$\Delta\alpha = -\frac{A^2}{4} \times [\sin 2\alpha \,.\, \cos 2\odot\,(1 + \cos^2\omega) - 2\cos\omega \,.\, \cos 2\alpha \,.\, \sin 2\odot]\,\sec^2\delta$$
$$\Delta\delta = -\frac{A^2}{8} \times [\cos 2\alpha \,.\, \cos 2\odot\,(1 + \cos^2\omega) + 2\cos\omega \,.\, \sin 2\alpha \,.\, \sin 2\odot - \sin^2\omega \,.\, \cos 2\odot]\,\tan\delta$$

94. In like manner, in determining the nutation in page 25, regard has been had to the *first* powers only of Δ L and $\Delta\omega$: but, if the investigations be extended, so as to include the *second* powers also, we shall have the following *additional* quantities*:

* See the excellent paper of BESSEL on this subject, in the *Zeitschrift für Astronomie*, vol. vi. page 216; from which these formulæ are taken.

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$$\begin{aligned}\Delta\alpha = &+ (\tfrac{1}{2}\sin 2\alpha + \cot\omega\,.\cos\alpha\,.\tan\delta + \sin 2\alpha\,.\tan^2\delta)\,\tfrac{1}{2}(\Delta\mathrm{L})^2\sin^2\omega\\ &- (\ \cos 2\alpha - \cot\omega\,.\sin\alpha\,.\tan\delta + \cos 2\alpha\,.\tan^2\delta)\,\Delta\omega\,\Delta\mathrm{L}\,.\sin\omega\\ &- (\tfrac{1}{2}\sin 2\alpha + \sin 2\alpha\,.\tan^2\delta)\,\tfrac{1}{2}(\Delta\omega)^2\end{aligned}$$

$$\begin{aligned}\Delta\delta = &- \sin\alpha\,(\cot\omega + \sin\alpha\,.\tan\delta)\,\tfrac{1}{2}(\Delta\mathrm{L})^2\sin^2\omega\\ &+ \cos\alpha\,(\cot\omega + \sin\alpha\,.\tan\delta)\,\Delta\omega\,.\,\Delta\mathrm{L}\,.\sin\omega\\ &- \cos^2\alpha\,.\tan\delta\,.\,\tfrac{1}{2}(\Delta\omega)^2\end{aligned}$$

If we restrict $\Delta\omega$ and $\Delta\,\mathrm{L}$ to the first (or principal) term in the equations in page 25, and consequently assume

$$\begin{aligned}\Delta\omega &= +\,9'',250\cos\mathfrak{B} = +\,x\,.\cos\mathfrak{B}\\ \Delta\mathrm{L}\,.\sin\omega &= -\,6\,,888\sin\mathfrak{B} = -\,y\,.\sin\mathfrak{B}\end{aligned}$$

we shall have, according to BESSEL's reductions,

$$\begin{aligned}\Delta\alpha = &- \left(\frac{x^2+y^2}{4}\sin 2\alpha\,.\tan\delta + \frac{y^2}{4}\cot\omega\,.\cos\alpha\right)\tan\delta\,.\cos 2\mathfrak{B}\\ &+ \left(\frac{xy}{2}\cos 2\alpha\,.\tan\delta - \frac{xy}{2}\cot\omega\,.\sin\alpha\right)\tan\delta\,.\sin 2\mathfrak{B}\end{aligned}$$

$$\begin{aligned}\Delta\delta = &- \tfrac{1}{4}\left[(x^2\cos^2\alpha - y^2\sin^2\alpha)\tan\delta - y^2\cot\omega\,.\sin\alpha\right]\cos 2\mathfrak{B}\\ &- \tfrac{1}{4}(xy\sin 2\alpha\,.\tan\delta + 2xy\,.\cot\omega\,.\cos\alpha)\sin 2\mathfrak{B}\end{aligned}$$

95. But, however formidable these quantities may appear, their value (except in stars very near the pole) is quite insensible: and SIR JOHN HERSCHEL has shown, in the *Memoirs* of the Astronomical Society (vol. I. page 430) that the error, arising from the omission of the whole of them, can never amount to the thousandth part of a second of time, in the right ascension of any star whose declination is less than 75°; nor to the hundredth part of a second of space in the declination of any star whose declination is less than 86° 27′. In the present catalogue there are only about forty stars, whose declinations exceed 85°; amongst which may be reckoned *Polaris*: but as BESSEL has computed special tables for determining the apparent place of that star, we may consider the equations (A), (B), (C) as sufficiently accurate in most ordinary cases for all the other stars in the present catalogue.

96. This remark will extend even to the omission of those quantities depending on $2\,\mathfrak{D}$, already alluded to in page 24: for, even in *Polaris*, the total value of the quantity, depending on this argument, never exceeds $0^s,20$ in right ascension, nor $0'',08$ in declination.

97. Besides the quantities here omitted, I ought to mention that BESSEL has, in the formula which he has given for the reduction of *Polaris*, introduced an equa-

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tion depending on the argument ($\odot + \mathfrak{D}$); which, even in the case of this star, amounts only to $0^s,06$ in right ascension; and is quite insensible in declination. In all the other stars, in the present catalogue, not so near the pole, this quantity may be wholly rejected.

A complete exposition of *all* the quantities involved in this investigation, including those omitted as well as those retained, will be found in the recent work by Dr. PETERS, entitled *Numerus constans Nutationis*, page 49 &c.

XVII. *Proper motion of the Stars.*

98. The annual precession, given in the present catalogue, is that which is deduced from the formula in page 20, without any reference to the *proper motion* of the star, either in right ascension or declination. And after a star has, from a number of observations, been reduced to its mean place at the beginning of any year, by a correction of all the errors by which those observations are known to be affected, and then compared with the mean place of the same star, similarly reduced to an epoch distant from the former by a given number of years, the difference between the two values ought to be equal to the amount of the precession of the equinoxes, in the interval between the two epochs. It seldom happens, however, that this is exactly the case; and, when any inequality of this kind arises, it is usually attributed to a proper motion in the star itself*.

99. But the difficulty of distinguishing this motion from that which arises from the precession of the equinoxes—the slight differences which may sometimes occur from a small error in the assumed obliquity of the ecliptic—the errors of observation and computation, more especially in stars near the pole—and the differences in the formulæ employed in the reduction of the observations themselves—supply too many sources of error to enable us to assert, with much confidence, that the

* PIAZZI, on comparing the observations of the right ascension of *Polaris* (See his Catalogue, page 8) has deduced the following values of the supposed annual proper motion of this star:

from HEVELIUS = + 6″,82
—— FLAMSTEED = + 9 ,03
—— LA CAILLE = + 3 ,96
—— BRADLEY = + 1 ,62

He very properly, however, subjoins the following remark: "Quamvis autem postrema cæteris probabilior sit, nec ipsi tamen plurimum fidendum. Etenim præcessio, ingens nimis, nec eadem constans, minime sinit, quominus annua ipsius variatio, et si geometrice investigata, a motu proprio nitide secernatur." It was reserved for BESSEL, to determine the law by which the annual variation of this star is governed. See his *Fund. Astron.* page 306, and his *Tab. Reg.* page xi.

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slight differences which appear in the comparison of observations, made even at distant periods, arise solely from a proper motion in the star.

100. Yet there are notoriously some stars whose motions cannot be reconciled to the effects of precession alone; and where the evidence of a proper motion is too great to be doubted. A remarkable instance of this kind occurs in the double star 61 *Cygni**, whose annual proper motion appears to be + 5″,17 in right ascension, and + 3″,24 in declination. In most cases, however, the supposed proper motion is much less than this; and frequently nothing more than what may be attributed to the errors of observation or computation. Nevertheless, BESSEL has stated (*Fund. Astron.* page 308) that out of 2959 stars in BRADLEY'S catalogue, compared with the same stars in PIAZZI'S catalogue, he found that 425 had an annual proper motion, in the arc of a great circle, of more than 0″,2.

101. The annual proper motion (μ) of a star is found by comparing its mean places (denoted by M and M′) as they exist in two catalogues, reduced from observations made at a distance of y years from each other: for, in such case, we have

$$\mu = \frac{M' - M}{y} - \Pi$$

where Π denotes the annual precession of the star, for the year which is equidistant from the epochs of the two catalogues. In the comparison, therefore, of the catalogues of BRADLEY and TAYLOR, the formula will be,

$$\mu = \frac{T - B}{80} - \Pi \qquad \Pi = p - \tfrac{1}{9}(p - \pi)$$

In comparing the catalogues of LACAILLE and BRISBANE, the formula will be

$$\mu = \frac{B' - L}{75} - \Pi \qquad \Pi = \tfrac{1}{2}(p + \pi)$$

In comparing the catalogues of LACAILLE and TAYLOR, the formula will be

$$\mu = \frac{T - L}{85} - \Pi \qquad \Pi = p - \cdot 5278\,(p - \pi)$$

In comparing the catalogues of PIAZZI and TAYLOR, the formula will be

$$\mu = \frac{T - P}{35} - \Pi \qquad \Pi = p - \cdot 5625\,(p - \pi)$$

And thus, in a similar manner, for other comparisons not included in these cases; the letters B, B′, L, T, P, π, p, denoting the same quantities as in page 17.

* It is a singular circumstance that the greatest portion of those stars, which are supposed to have a proper motion, consists of *double* stars. BESSEL, in his *Fund. Astron.* page 311, has given a list of several of them.

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102. It is evident, hereby, that the value of μ will depend not only on the accuracy of the observations and computations, and on the elements employed in their reduction, but also on the formula from which Π is derived. This is more especially the case in stars near the pole, where the precession (particularly in right ascension) involves not only the second power but also the third and sometimes higher powers of the time elapsed: a circumstance which is too frequently overlooked, but which must always be duly considered and taken into account, when we are desirous of determining the proper motion of such star with great accuracy *. It is to these various sources of discordancy that we must principally attribute not only the appearance of any proper motion at all, but likewise the discordance between different astronomers relative to this supposed motion. For, in many cases, some of the greatest names have differed even as to the *direction* of the motion of particular stars: one making it *positive*, whilst in the same star another considers it as *negative*. But these are cases where the proper motion is very small in amount, and where indeed its very existence may be doubted.

For instance, let us take the case of 24 *Andromedæ* θ, and compare its right ascension as observed by PIAZZI in 1800, with that deduced from the observations of BRADLEY, as reduced by BESSEL to the year 1755. Here we have

$$\mu = \frac{P-B}{45} - \frac{p+\pi}{2} = \frac{1^\circ\,40'\,9'',3 - 1^\circ\,5'\,31'',2}{45} - 46'',375 = -0'',195$$

But, if we compare it with BRADLEY's observations as reduced by PILATI †, we shall have

$$\mu = \frac{1^\circ\,40'\,9'',3 - 1^\circ\,5'\,15'',1}{45} - 46'',375 = +0'',160\ ‡$$

103. Again, the proper motion of 86 *Herculis* μ in right ascension, if deduced from the observations of BRADLEY as reduced by PILATI, will be $-0'',29$: but if deduced from the same observations as reduced by BESSEL, it will amount to $-0'',51$. But, it is needless to multiply cases of this kind; for, a mere inspection of the column of proper motion in this catalogue, will lead to the suspicion that the major part of the values, there inserted, have arisen principally from some discordance in the observations or computations, and will not justify the conclusion that there is any actual proper motion in a star subject to such slight differences.

* See the case of *Polaris* in page 41.

† The value given by PILATI (in PIAZZI's catalogue, page 179) is $1^\circ\,6'\,1'',4$; because the reduction is made to the year 1756. I have, therefore, subtracted $46'',3$ in order to reduce it to 1755.

‡ This is the value given by PIAZZI in his catalogue: but he has erroneously quoted MAYER instead of BRADLEY. MAYER did not record any observations of this star.

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104. The cases above quoted are such as evidently arise from some error or difference in the reductions: but they are by no means singular; since they frequently occur. BESSEL has, in his *Fund. Astron.* page 316, &c. given a list of some of these differences which arise from a comparison of his own reductions of BRADLEY'S observations, with those made by PILATI: and also of the differences in the reduction of MAYER'S observations. These differences are in many cases very considerable; and much greater than ought to arise from the difference of the elements employed in the computation. Even the proper motions of what have been called the *Greenwich stars* (which have been so long, so repeatedly, and so minutely observed) were for a long time by no means satisfactorily ascertained: and the differences which were discovered, in various comparisons, may probably have arisen from one or more of the causes here alluded to*.

105. Under these circumstances, therefore, and considering the various sources of error with which this branch of astronomy is perplexed, I have thought it advisable, in the present catalogue, to register in a separate column the apparent proper motion of each star; or in other words, the proper motion that has been deduced, in the manner above specified, from a comparison of the same star at the two epochs from which its position has been computed: leaving the value of such apparent proper motion (or, in some cases, its very existence) to be more correctly determined by subsequent observations, and the adoption (when considered to be determined with sufficient accuracy) to be applied to the annual precession, as occasion may require, when we wish to obtain the correct annual *variation*. No error of any consequence is likely to arise from the adoption of this method: for, the *annual* proper motion of a star will in most cases be so very small, that it cannot materially affect the value of c and c'; and by the arrangement here made, the quantities can always be kept separate and used in the computations, or not, as occasions may justify.

106. There are however notoriously several stars where proper motion evidently does exist to a considerable amount, although the precise quantity of that motion may still be a subject of some doubt and uncertainty. And, in order to place before the reader some of the most remarkable of such cases, I have subjoined the

* Baron ZACH compared MASKELYNE'S observations of the right ascensions of these stars, as reduced to 1802, with those of BRADLEY reduced to 1760. The result of this examination is given in his *Tabulæ Speciales*, page 67: but, it differs in many respects from the deductions of MASKELYNE himself. To mention only a few cases; the proper motions (in right ascension) of *γ Pegasi*, *α Ceti*, *Rigel*, *Sirius*, *Spica*, *γ* and *β Aquilæ*, *α Cygni*, *α Aquarii*, and *α Pegasi*, are *all positive* according to Baron ZACH: but Dr. MASKELYNE (whilst he differs as to the *amount* of the proper motions in each of these respective stars) considers them as *all negative*. See also, *passim*, the Notes annexed to PIAZZI'S Catalogue of Stars.

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following list, which contains all those stars in the present catalogue visible in these latitudes* where the proper motion has been found to amount to about as much as $0^s,100$ in right ascension, or as $1'',00$ in north polar distance.

No.	Star.	Proper motion in		No.	Star.	Proper motion in	
		AR	N.P.D.			AR	N.P.D.
		s	"			s	"
64	Tucanæ ..... ζ	+0,246	−1,11	4010	Ursæ Majoris	+0,344	+5,70
88	Hydri ..... β	+ ,717	−0,26	4150	Ursæ Minoris	+ ,325	+0,08
160	Ceti	+ ,103	+0,10	4165	Ursæ Minoris	− ,173	−0,06
218	24 Cassiopeæ ..... η	+ ,135	+0,48	4449	61 Virginis	− ,069	+1,03
221	Piscium	+ ,039	+1,18	4729	16 Bootis ..... α	− ,078	+1,96
240	Ursæ Minoris.....	+ ,116	+0,02	4831	Centauri ..... α^1	− ,470	−0,83
273	Ursæ Minoris.....	− ,171	−0,02	4832	Centauri ..... α^2	− ,470	−0,83
314	30 Cassiopeæ ..... μ	+ ,388	+1,55	4923	Libræ	+ ,068	+1,68
360	1 Ursæ Minoris ... α	+ ,090	−0,02	5284	41 Serpentis ..... γ	+ ,025	+1,24
536	52 Ceti ..... τ	− ,117	−0,87	5439	Apodis ..... γ	− ,153	+1,13
725	Persei.....	+ ,126	.....	5808	36 Ophiuchi ..... A	− ,032	+1,14
793	Ceti	+ ,118	−1,31	5813	Ophiuchi	− ,036	+1,15
962	Persei..... ι	+ ,129	0,00	5863	72 Herculis ..... w	+ ,011	+1,00
1044	Eridani.....	+ ,249	−0,75	6123	70 Ophiuchi	+ ,017	+1,09
1309	40 Eridani ..... o^2	− ,144	+3,45	6302	44 Draconis..... χ	+ ,117	+0,35
1879	Ursæ Minoris.....	+ ,289	+0,10	6735	61 Draconis..... σ	+ ,094	+1,83
2213	9 Canis Majoris... α	− ,034	+1,14	6873	Pavonis ..... δ	+ ,189	+1,07
2320	Ursæ Minoris.....	− ,323	−0,01	6922	Sagittarii	+ ,044	+1,68
2521	Camelopardi.....	− ,225	−0,06	7336	61 Cygni	+ ,359	−3,30
2522	10 Canis Minoris... α	− ,047	+0,98	7337	Cygni	+ ,352	−3,03
3242	25 Ursæ Majoris ... θ	− ,120	+0,60	7510	Cephei	+ ,119	−0,10
3495	Ursæ Minoris.....	− ,114	+0,07	7656	Indi ..... s	+ ,457	+2,40
3528	Draconis.....	−0,106	+0,07	8083	Cassiopeæ	+0,201	−0,28

When the proper motion is united with the annual precession, the joint effect is called the *annual variation*, and in all cases, where the proper motion has been well determined, should be thus included in the computation of the star's place for a distant epoch, as already shewn in Section XIII, page 39. When the cur-

* Some few of the stars visible also in the southern hemisphere have been introduced, where there is good reason to suspect a considerable proper motion. But, in general the positions of the *southern* stars have not yet been decided with sufficient accuracy to determine such an important element; so that no great dependence can at present be placed on the proper motion of many of such stars, inserted in the present catalogue.

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rent year is the subject of computation, we must take the proportional part of the annual proper motion, for the time elapsed (as explained in page 20) since the commencement of the year.

XVIII. *Revision of the Constellations* *.

107. The advantage and importance of having the boundaries of the constellations of the stars distinctly and properly defined on our maps and globes, must be evident to every one that has occasion not only to refer to so useful and convenient an auxiliary to the practical astronomer, but also to consult a catalogue of stars. For unless due attention is paid to some clear and well-organized plan of arrangement, and to some regular method of drawing the lines that constitute the limits of the constellations, much confusion and intricacy soon enters into the system; and not only does the whole become an unintelligible mass of intersecting and undefinable boundaries, but the nomenclature of the catalogues also becomes sadly deranged. This is no ideal annoyance; for the present state of all our modern maps and globes bears evident proofs of the existence of the evil to which I have here alluded; and the catalogues likewise partake largely of this confusion. But the time has arrived when this inconvenience, now become so troublesome and perplexing, can be no longer tolerated. The extended state of the present catalogue (in which there are a number of additional stars selected from various works, differing very essentially in the nomenclature of the stars which they contain) requires that every star thus introduced should be located on maps in which the boundaries of the constellations are constructed and drawn upon some definite and systematic plan; so that the name of the constellation to which the star may be thus found to belong, should be correctly affixed thereto, and thus show at once its true and accurate locality in the heavens. This however can only now be effectually done by a general revision of the whole system.

108. Ptolemy drew his *figures* on the globe in such a manner that the stars should occupy the positions that he has designated in the descriptions of them in his catalogue: and the boundary of each figure thus drawn was, in fact, the limit of the *constellation* intended to be represented. For, when he observed any stars that were beyond the outline of his figures, he denominated them ἀμόρφωτοι, *unformed*; and this method was long followed by his successors. But, in the time of Tycho Brahe', this plan was in some measure departed from, and a more comprehensive extension of the original limits adopted, by including the unformed

* This section forms the substance of a Paper that was read at a meeting of the Royal Astronomical Society, on May 12, 1843.

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stars within the boundaries of one or other of the contiguous constellations: so that all the constellations abutted against one another, and the whole of the heavens was thus occupied by one portion or another of some known constellation,—the *figures* remaining the same. Some confusion however soon crept into this arrangement: for it appears that one of PTOLEMY's *unformed* stars in *Libra* (543 of my catalogue of PTOLEMY) was very justly placed by TYCHO within the boundary of the same constellation; in which arrangement he has been followed by FLAMSTEED, who designates it 20 *Libræ*. But, BAYER has unfortunately placed it in the constellation *Scorpio*, an arrangement which has been adopted by HEVELIUS, LACAILLE and others. Thus some confusion in this part of the boundaries of these two constellations has been introduced, and which continues to the present day. I have adopted TYCHO's arrangement, and made the discordant catalogues agree therewith; as it cannot be tolerated at the present day that this confusion should be perpetuated, or even now exist. When HEVELIUS formed his catalogue, he observed many stars, in the large spaces between PTOLEMY's figures, that had not been previously noticed; and in these spaces he introduced new figures, or constellations, many of which are still retained. But, the greatest innovator on this system was BODE, who although no great observer himself has, in his catalogue and in his maps, filled the heavens with a host of new figures and constellations that were by no means requisite, and that tend only to annoy and confuse, without presenting one single advantage.

109. In these remarks I have reference only to the constellations in the northern hemisphere; or, at least, to those constellations only that are visible in the northern latitudes, which, of course, include many of the southern stars. When the southern ocean however was visited by European navigators in the sixteenth century, a map of the portion of the heavens, there visible and not hitherto described, became requisite and was soon formed: but it was not till the time of HALLEY that any catalogue or map of the southern constellations could be depended upon. The constellations that were adopted or introduced on this occasion were in some measure altered and increased in the last century by LACAILLE, who has, at the same time, encroached on the boundaries of the former constellations, which, although situate to the southward, had been tolerably well defined and agreed upon by the northern astronomers; whereby he has created much confusion and ambiguity. For this reason, and in order to remove such confusion of terms and identity, it has been considered requisite to revise also the constellations and nomenclature introduced by LACAILLE. I shall however again advert to this subject when I have gone through the proposed revision of the northern constellations.

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110. When HEVELIUS formed his catalogue of stars, he at the same time constructed maps of the constellations, in which they were to be respectively placed. By this method he in some measure preserved an uniformity in his classifications and arrangements, and obviated any considerable distortion of the boundaries of the constellations,—having himself defined the limits. But FLAMSTEED did not possess this advantage, since his maps were not constructed till long after his catalogue had been formed, and indeed not till many years after his decease: and as HEVELIUS's maps were not published till after FLAMSTEED had commenced his observations with the mural quadrant, the *Uranometria* of BAYER was the only authority to which he could refer even for an approximate classification of any new stars that he might observe. This however appears to have been often done either without due consideration and attention, or from ignorance of the true limits; and the name of a constellation was frequently written down, in the margin of the observation-book, as that which, *at the time of observation*, FLAMSTEED supposed to be the true constellation under review; but which afterwards, when the observations came to be reduced and arranged, have been found to be incorrect. An inspection of FLAMSTEED's manuscript books, at the Royal Observatory at Greenwich, and indeed the second volume of his *Historia Cœlestis*, will fully confirm this remark. The consequence has been that several of the stars in his catalogue have been inadvertently arranged and classed under erroneous constellations: and our modern map-makers (instead of correcting these obvious errors in due time, and in a proper manner, or of laying down any general principle, on which the boundaries might be constructed and drawn, in all cases of new discoveries) have suffered the evil not only to continue, but to increase to such a degree by subsequent innovations, that the celestial maps have at length become a system of derangement and confusion. For, a practice seems to have been adopted that whenever a modern astronomer has, in his catalogue, inadvertently introduced a star which he has designated by an erroneous constellation, the map-maker, or globe-maker (probably through ignorance), immediately extends the circuit of the constellation so as to embrace the star within its limits; although in so doing he causes the most inconvenient and absurd distortion of the boundary lines, and, in some cases, actually includes thereby stars that ought not to have been disturbed; which consequently renders the map, or the globe, a mass of confusion and intricacy, and totally unfit for accurate reference. An inspection of most of the modern celestial maps or globes will fully confirm this remark.

111. Before a catalogue of any considerable extent, containing new stars, is finally arranged as to its nomenclature, a specimen map of the constellations, or at least their general outlines or boundaries, ought to be laid down upon some

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uniform and acknowledged system, for the guidance of the astronomer. The plan which was pursued by PTOLEMY, and which with some slight alterations has been continued down to the present time, may serve as a basis for modern guidance and improvements. Its antiquity, and the numerous references which have always been, and still are, constantly made to it, render it now difficult (even if it were desirable) to make any considerable deviation from a system which is associated with so many scientific, historical, and mythological recollections. But whatever plan be adopted, it ought to be preserved with some degree of uniformity and regularity: so that if an author has inadvertently designated a star by a wrong constellation, the name in the catalogue should be amended, rather than the boundary of the constellation distorted. This however will occasionally admit of some laxity; for, if such star should happen to be near the confines of a constellation, a *slight* variation in the curvature of the boundary may be justly allowed in the case of a well-recognised star, more especially as the precise limits are in some measure arbitrary. But where a star in any catalogue is designated by the name or title of a constellation, to which it manifestly does not belong, and has been inadvertently recorded and arranged as one of the stars in such constellation, the only proper mode of correcting the error is to alter its name and character in the catalogue, and thus restore it to its proper designation and position.

112. As an example of the confusion which is created by such misnomers, I need only adduce the case of two stars in FLAMSTEED's catalogue; one of these is called 44 *Lyncis*, but whose position is in the middle of *Ursa Major*, and was so located by PTOLEMY; and the other is called 19 *Ursæ Majoris*, which evidently belongs to *Lynx*. Now the map-maker, in order to comprise these stars within the limits of the constellations in which FLAMSTEED has thus inadvertently and erroneously located them, has extended the boundaries of each of these constellations in such a confused and intersecting manner that the limits are scarcely intelligible. The proper mode would have been to alter the nomenclature, at once, in the catalogue; and thus prevent the perpetuity of the error. Another example (still more remarkable) occurs in the star 13 *Argus* in FLAMSTEED's catalogue; a star that is in fact situate in the constellation *Canis Minor*, which lies to the north of the *intermediate* constellation *Monoceros*: and the map-maker, in order to include this distant star within the limits of *Argo*, has in a similar manner traced a double line directly through the body of *Monoceros*, which thus appears like two distinct constellations. Many other similar examples of distortion might be adduced, but it is needless to multiply proofs of such evident absurdities, which need only be seen to be duly estimated and repudiated.

113. Cases of another kind occur where the constellation is improperly and

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unnecessarily extended, although there may not be any intersection of the boundary lines: such as that which may be seen in FLAMSTEED's catalogue of stars, in the constellation *Crater*, where many of the stars there introduced do not fall within the limits of the figure drawn by BAYER; nor is FLAMSTEED's extension of the boundaries warranted by PTOLEMY's description of the position of the stars in that constellation*.

114. Much confusion has also arisen from inattention to a regular classification and arrangement of certain clusters of stars that lie near the adjoining confines of two contiguous constellations; such as the cluster of stars about the head of *Serpens*, which are strangely intermixed with the stars that are considered to be in the arm of *Hercules*: and many similar cases may be seen in *Monoceros* and *Hydra*, *Draco* and *Cepheus*, *Auriga* and *Camelopardus*, *Libra* and *Hydra*, *Hercules* and *Ophiuchus*, *Vulpecula* and *Cygnus*, &c.

115. But the most striking proof of the inattention of map and globe-makers, to accuracy of arrangement, occurs in the cases where the author of the catalogue has placed the same star in two distinct constellations, and where unfortunately (in constructing the map) the erroneous one has been selected for its location. A singular case of this kind occurs with FLAMSTEED's 25 and 27 *Aquarii*, which are the *same* stars as 6 and 11 *Pegasi*. The map-maker has correctly placed the stars in the head of *Aquarius*, as drawn on the map: but then, as if doubtful of such a step, or desirous of preserving the double interpretation, has extended the boundary line of *Pegasus* so as to embrace it within the limits of that constellation.

116. Cases of such double insertions in a catalogue are not to be wondered at in the early state of the science, where minute accuracy was not always attainable, nor the error always discoverable on account of the mode of classification; and we accordingly meet with a few of such cases in the catalogues of PTOLEMY and others. But in more modern times the error has arisen principally, if not solely, from the method of arranging the stars, in a catalogue, under distinct and separate constellations, whereby the similarity of position is not readily discovered; and this will account for the synonyms that occur in the catalogues of FLAMSTEED and HEVELIUS: but when discovered they ought to be at once corrected, and not suffered to remain a perpetual blot in the catalogue. The modern mode, however, of arranging the *whole* of the stars in a catalogue, according to the order of their right ascension, without any regard to the order of the constellations in which they may be placed, prevents the occurrence of a similar inconvenience in future.

* An exception, perhaps, might here be made to FLAMSTEED's 11 *Crateris*, and which BAYER has designated by the letter β: a star which PTOLEMY places in *Hydra*, at the same time however describing it as *μετὰ τὴν βάσιν τοῦ κρατῆρος*. I have considered it as a boundary-star between the two constellations.

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117. But a like source of error arises, and frequently causes doubt and difficulty to the map-maker, and even to the astronomer, when the authors of two different catalogues vary in their decision as to the constellation in which a star should be located. Numerous instances of this kind may be seen in comparing the catalogues of HEVELIUS and FLAMSTEED, or either of these with the catalogues of PIAZZI or TAYLOR: which confusion has arisen from the want of a system of well-defined and acknowledged boundaries to the respective constellations, whereby the astronomer may know when he is correct in locating the observed stars. Let any one examine the stars in HEVELIUS's first constellation (*Andromeda*), and he will there find that FLAMSTEED has placed three of them in *Pegasus*, one in *Perseus*, and one in *Lacerta*; whilst PIAZZI places one of them in *Cassiopea*. Those only who have to make frequent references to the class of smaller stars, and are desirous of identifying them, and of comparing the results of different observers, can justly appreciate the labour and inconvenience that occurs from such a confused state of location. And with respect to the map-maker, it is a forlorn hope to expect from him anything like regularity, uniformity, clearness or precision so long as he continues the present system of circumscribing every star with the boundary line of the constellations to which the author of the catalogue, in which it is found, considers it to belong, and rejects every attempt at improvement.

118. On the maps published by the executors of FLAMSTEED, there are not any boundaries surrounding the figures that are there depicted: for, all the stars in FLAMSTEED'S catalogue are placed in their true positions (as to right ascension and declination) as given in the British Catalogue, without any boundary lines; and those who consult the maps are at liberty to draw the boundaries in such manner as they may think most proper. It is the catalogue which is in error, and not the maps; and it is very probable that the editors were aware of this circumstance, having found out the mistake when it was too late to mend it.

119. BODE appears to have been the first that drew boundary lines to the constellations; and in so doing, instead of correcting the catalogue and preserving an uniform system of drawing his lines in a simple and regular manner between contiguous constellations, whereby the contour was distorted as little as possible, he introduced the practice (above mentioned, and which has been implicitly followed by most of the English map and globe-makers) of *hooking* within such limits all the stars that FLAMSTEED or any subsequent astronomer had inadvertently designated by a wrong constellation; thus disfiguring and distorting the boundaries and rendering them very intricate, perplexing, and annoying. In his large set of celestial maps, however, which he published about twenty years afterwards, he became sensible of his error, and very prudently discontinued this absurd practice,

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and confined his boundaries to their proper restriction. But the English map and globe-makers, instead of following this laudable example, have not only continued the evil, but have carried the practice to such an enormous and ludicrous extent that the modern celestial charts and globes at the present day exhibit a complete mass of intersecting and conflicting lines, utterly subversive of the object and design of such a divisional arrangement of the heavens. HARDING, in his celestial atlas, has avoided this confusion: and so likewise has ARGELANDER in his recent *Uranometria.* So that there is probably now some prospect of our being able to obtain, in this country, celestial maps and globes freed from all the mischievous confusion with which they are encumbered: and if the globes (and also the maps) were confined to such stars only as are visible to the naked eye, their utility and convenience for an ocular view of the heavens would be much improved.

120. In order that our catalogues and our maps (or globes) should speak the same language, and that they should at the same time be clear and intelligible to those who consult them for the purpose of identifying the stars in the heavens, it is requisite that the nomenclature of the stars, or, in other words, the boundaries of the constellations, should be placed on a more uniform, regular, and well-defined plan: but, in making this necessary reform, regard must be had (especially in the northern hemisphere) to long-established names and authorities, which by their antiquity and constant use have acquired full possession of the public opinion and favour. Now, it fortunately happens that very material improvements may be made in the present mode of delineating the boundaries of these constellations, without encroaching at all on any of the ancient arrangements, and without much alteration in those of more modern date. All that is required will be the correction of some of those manifest errors which have been caused principally by following too closely and implicitly the arrangement and classification of the stars in the constellations in FLAMSTEED'S catalogue; and which has opened the door to further encroachments by his successors.

121. I have alluded here to the correction of FLAMSTEED'S catalogue only, not however as being the only one (or even the most discordant) that requires reform, since similar anomalies, and equal in amount, are to be found in the catalogues of HEVELIUS, PIAZZI, TAYLOR, and perhaps some others; but because it is the only one in these latter days (if we except HEVELIUS'S which is not very frequently referred to) in which the stars are quoted and known by the numerical order and position in which they stand in the respective constellations; those of other astronomers being always designated by the order of their right ascension. And as all our map and globe-makers fill up the boundaries of the constellations with FLAMSTEED'S *numbers* as they find them in his catalogue, whether properly located or

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not, it is requisite in the first instance to place those stars in their proper positions. The method which I propose for carrying this object into execution, and for reforming the boundary lines, is the following: viz.

1°. That PTOLEMY's constellations be preserved, and form the basis of the construction and arrangement of the constellations in the northern hemisphere.

2°. That nine of the constellations, adopted by HEVELIUS, be retained; but that no others be introduced in the northern hemisphere. These nine constellations are *Camelopardus*, *Canes Venatici*, *Coma Berenices*, *Lacerta*, *Leo Minor*, *Lynx*, *Monoceros*, *Sextans*, and *Vulpecula*; which, having been adopted also by FLAMSTEED, are still referred to at the present day, and consequently should be retained. But the rest, as well as all the other constellations introduced by BARTSCH, BODE, HELL, KIRCH, LALANDE, LEMONNIER, and POCZUBUT, having fallen into general disuse, need not be revived or continued. Even those which are retained as above mentioned might be diminished with much benefit to the practical branch of astronomy: for, this modern propensity to multiply the number of constellations has led to great confusion and annoyance (especially where they interlace with each other) without being attended with a single advantage*.

3°. That PTOLEMY's figures be attended to, so that the drawings (if any) should embrace all the stars mentioned by him, and within their true outlines. *Libra* perhaps may be an exception to this rule, as this constellation has been introduced instead of the claws of *Scorpio* adopted by PTOLEMY. There are also four stars in PTOLEMY's catalogue that are common to two adjoining constellations: namely FLAMSTEED's 52 *Bootis*, which is common to *Hercules*; 112 *Tauri*, which is common to *Auriga*; 79 *Aquarii*, which is common to *Piscis Australis*; and 21 *Andromedæ*, which is common to *Pegasus*.

4°. That if BAYER or FLAMSTEED has introduced any star from another constellation that would distort the correct drawing, it must be named, in the catalogue, after the constellation to which it correctly belongs, and its pseudonym must be discontinued. In other words, the catalogue must be corrected, but not the boundaries of the constellations distorted. Thus, FLAMSTEED has, after the example of PTOLEMY, correctly placed 51 and 54 *Andromedæ* in the right foot of that figure: but BAYER, inattentive to PTOLEMY's description, erroneously makes these two stars form part of the sword of *Perseus*; and his mode of lettering those constellations is consequently inaccurate. Again, PTOLEMY's 13 *Arietis*, which is distinctly described by him as being "in the extremity of the hind-foot," is erroneously placed by

* See an interesting paper by Dr. OLBERS, "On a reformation of the Constellations, and a revision of the Nomenclature of the Stars;" printed in the *Monthly Notices* of the Royal Astronomical Society, March 12, 1841.

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FLAMSTEED in *Cetus*, and is 87 *Ceti* in his catalogue; although it appears that both he and HALLEY, at one time, maintained the contrary *; and that HALLEY indeed inserted it in *Aries*, in his catalogue (1712). The proper mode of correcting such errors is to return to the original authority; a method which I have here adopted.

5°. That the errors of BAYER or FLAMSTEED being thus rectified, and the figures of the constellations introduced by HEVELIUS being properly drawn (if requisite) within the intermediate spaces, the boundaries of the constellations, thus decided on, be carefully drawn and laid down agreeably to some systematic plan, which may thus serve as the perpetual limits of the constellations: and that no distortion of the outlines or boundaries of any of these constellations, in the northern hemisphere, be permitted in consequence of the mistakes of any subsequent astronomers in arranging their stars under improper divisions of the heavens.

6°. That as all FLAMSTEED'S stars are designated by the numerical order in which they stand in the constellation, and as these numbers are in most cases well known and recognised, it is desirable to preserve his stars within the boundaries of their respective constellations, wherever it can be conveniently done. But, in the case of synonymous stars (amounting to 22) this is evidently impossible; and there are also several other cases, which have been already alluded to (amounting to 66, of which 19 belong to *Crater*), where it is impracticable, consistently with the rules here proposed †. These anomalous stars must be corrected in the catalogue, and there located in their proper constellations; which will thus in future be a guide to the map and globe-makers.

7°. That as all the stars in the catalogue of PIAZZI are designated and always quoted by their *number* in the *hour* of right ascension, and those of TAYLOR and others, by their *ordinal number*, it is not so requisite to pay special attention to inscribing such stars within the boundaries of the constellations to which they are

* See my *Account of the Rev. JOHN FLAMSTEED*, page 287.

† The following is a statement of the 66 stars in FLAMSTEED'S catalogue, which I have assumed to be incorrectly arranged: viz. 13 *Argus* belongs to Canis Minor; 33, 34, 35 *Camelopardi* belong to Auriga; 50 *Camelopardi* belongs to Lynx; 85, 87 *Ceti* belong to Aries; 1, 2, 3, 4, 5, 6, 8, 9, 10, 17, 18, 19, 20, 22, 23, 25, 26, 28, 29 *Crateris* belong to Hydra; 3 *Cygni* belongs to Vulpecula; 80 *Draconis* belongs to Cepheus; 3 *Herculis* belongs to Serpens; 66 *Herculis* belongs to Ophiuchus; 1, 2, 3, 4, 5 *Leonis Minoris* belong to Lynx; 6, 41, 49 *Leonis Minoris* belong to Leo; 25 *Leonis Minoris* belongs to Ursa Major; 37, 39, 44 *Lyncis* belong to Ursa Major; 30, 31 *Monocerotis* belong to Hydra; 32, 33, 34 *Ophiuchi* belong to Hercules; 47 *Ophiuchi* belongs to Serpens; 23 *Piscium* belongs to Pegasus; 1 *Sagittæ* belongs to Vulpecula; 2 *Sagittarii* belongs to Ophiuchus; 24, 28, 29, 30, 31, 32, 33 *Scorpii* belong to Ophiuchus; 48 *Serpentis* belongs to Hercules; 10, 11 *Sextantis* belong to Leo; 16 *Trianguli* belongs to Aries; 10, 19 *Ursæ Majoris* belong to Lynx; 46 *Ursæ Majoris* belongs to Leo Minor; 101 *Virginis* belongs to Bootes.

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assumed to belong; and which will frequently be found to be discordant: still, that if any of these stars lie near to the boundaries so assumed, a slight detour be allowed in the drawing.

122. Such is the plan which I have pursued in the present arrangement of the stars in the northern constellations; and which I propose also to adopt in the classification of the stars deduced from the observations recorded in the *Histoire Céleste*. I shall now proceed to state the several alterations that have been proposed by Sir JOHN HERSCHEL for amending the boundaries and nomenclature of the southern constellations. But, as I cannot add to the clearness and precision with which he has treated this subject, I shall here subjoin his statement in his own words.

123. "The idea, originally proposed of entirely re-modelling the southern constellations*, has (after very mature consideration and much discussion, and after consulting the opinions of some of the most eminent continental astronomers, which have been found very adverse to the idea of so decided a change) been laid aside; at least in so far as regards the present undertaking. It is conceived however that if the nomenclature of the constellations, generally, be ever destined to undergo a systematic change at all (and many reasons may be adduced for considering such a change desirable) the first and most important step towards it will be found in the present work itself, and in the catalogues, now publishing simultaneously with it on the same system of nomenclature, which clear the ground of all existing confusion†; and by assembling into one distinct view, and under names and numbers at least definite and recognised, all the individuals of which the new groups must be composed, render it easy at any future time to pass, by a single table of synonyms and by one decided step, from one to the other system, whenever the convenience and consent of astronomers may dictate the propriety of a change. Such views, if entertained, would render the nomenclature of the present catalogues so far provisional that a more rational and convenient system of groups (confined not to the southern hemisphere, but extending over both) may yet be contemplated by astronomers. Nevertheless, so long as the ancient system is at all retained, a general and scrupulous adherence to the nomenclature here adopted is most earnestly recommended to the astronomical world, as the only mode of

* By Sir JOHN HERSCHEL himself, as stated in his Paper inserted in Vol. XII. of the *Memoirs* of the Roy. Astron. Society.—F. B.

† Sir JOHN HERSCHEL here alludes to LACAILLE's *new* catalogue of 9766 southern stars, and to the catalogue of upwards of 40,000 stars, deduced from the *Histoire Céleste*, both of which are now printing at the expence of Government.—F. B.

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escape from a state of confusion at present quite intolerable. As regards the southern constellations, the following are the principles proposed: viz.

" 1°. That all the constellations adopted by LACAILLE be retained, and his arrangement of the stars preserved; subject however to certain alterations hereafter specified.

" 2°. That all the stars, having a doubtful location, such as those which LACAILLE (after the manner of PTOLEMY) has considered as ἀμόρφωτοι (unformed), be included within the boundaries of either one or other of the contiguous constellations, so as to preserve a regularity of outline and nomenclature.

" 3°. That all the rest of LACAILLE's stars be placed within the boundaries laid down by him, with the following exceptions: first, a few stars which are located too far from the border of the constellations in which they are registered, to admit of an uniform contour of the lines; secondly, such stars as have been previously observed by PTOLEMY or FLAMSTEED, and by them located in other constellations, or which interlace and are confusedly mixed with such previously observed stars*: thirdly, the four stars that are placed by LACAILLE in the end of the spear of *Indus*, but which are now assumed to form part of the constellation *Pavo*, in order to render the contour of these two constellations less circuitous.

" 4°. That the letters, selected by LACAILLE, be adopted in preference to those introduced by BAYER in *Argo*, *Centaurus*, *Ara* and *Lupus*. That the Greek letters (with a few exceptions) be retained only as far as stars of the 5th magnitude inclusive. That no Roman letters be at present used, except in the subdivisions of *Argo*, subsequently mentioned.

" 5°. That *Argo* be divided into four separate constellations, as partly contemplated by LACAILLE; retaining his designations of *Carina*, *Puppis* and *Vela*; and substituting the term *Malus* for *Pixis Nautica*, since it contains four of PTOLEMY's stars that are placed by him in the *mast* of the ship.

" 6°. That the original constellation *Argo*, on account of its great magnitude and the subdivisions here proposed, be carefully revised in respect of lettering, in the following manner: first, in order to preserve the present nomenclature of the principal stars, all the stars in *Argo* (that is, in the general constellation, regarded

* " A single exception to this rule occurs in the case of the last star in the constellation *Piscis Australis*, in PTOLEMY's catalogue, which BAYER has denoted by the letter κ, and which is presumed to be the same as that which has been designated by LACAILLE as γ *Gruis*. As there is some ambiguity however in the position of this star in BAYER's map, it is here assumed (like some other stars already mentioned) as common to both constellations, in order to adjust this discordance; and, in the present catalogue, LACAILLE's designation of γ *Gruis* is retained, on account of its forming the principal object in the head of that constellation."

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as including the subdivisions above mentioned) indicated by Greek letters, by LACAILLE, to be retained, with their present lettering, under the general name *Argo*: secondly, all the remaining stars, to be designated by that portion of the ship in which they occur, such as *Carina*, *Puppis*, *Vela*, and *Malus*, and to be indicated by the Roman letters adopted by LACAILLE, as far as the 5th magnitude inclusive. And no two stars, far distant from each other in the same subdivision, to be indicated by the same letter; but, in cases of conflict, the greater magnitude is to be preferred; and, when they are equal, the preceding star to be fixed upon.

"7°. That the constellations, which LACAILLE has designated by *two* words, be expressed by only *one* of such words. Thus, it is proposed that the several constellations, indicated by LACAILLE as *Apparatus Sculptoris*, *Mons Mensæ*, *Cælum Scalptorium*, *Equuleus Pictorius*, *Piscis Volans* and *Antlia Pneumatica*, be called by the respective titles of *Sculptor*, *Mensa*, *Cælum*, *Pictor*, *Volans*, and *Antlia*; contractions which have on some occasions been partially used by LACAILLE himself, and are very convenient in a registry of stars."

124. Such is the plan proposed by Sir JOHN HERSCHEL for a better arrangement of the stars in the southern hemisphere: and, agreeing fully in the principles here laid down, I have not hesitated in adopting them in the construction of the present catalogue, and in the classification of the stars inserted therein.

XIX. *BAYER'S mode of lettering the Stars.*

125. It is proper here to make some remarks respecting BAYER'S *letters*, by which the principal stars in our catalogues are now designated. It is well known that such stars were, by the ancient astronomers, for the most part denoted and identified by a very verbose description, corresponding with their position in some fictitious or imaginary figure in the heavens: whilst some indeed were called by a specific and definite name. This plan was pursued by PTOLEMY, and has been adopted and continued, even down to the time of FLAMSTEED, by most of the intermediate astronomers. But, such a verbal description of the places of the stars (limited, even as they then were) was liable to great confusion, since the figure itself was not always well defined or understood: it therefore occurred to BAYER, that much of this inconvenience might be removed, if the stars in each constellation, visible to the naked eye (which were all that were then known), were denoted by the letters of the alphabet, in the order of their magnitudes; those which were of the greatest magnitude being denoted by the first letters, and so on successively to the end of the alphabet.

126. BAYER was a German lawyer and astronomer, who first published the work,

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here alluded to, under the title of *Uranometria*, in the year 1603. It contained several charts or maps of the constellations, in which the stars were denoted by the letters of the alphabet*. This was a great improvement on the former mode of designation, as it at once indicated the *class* to which any particular star in a given constellation might be assigned: and although there might be some uncertainty as to the precise magnitude indicated by any particular letter, and although the same letters would not always indicate the same magnitude, when used in different constellations, yet, with respect to any given constellation, it gave a tolerably clear idea of the class to which any star belonged: and, by the help of maps, their positions were pretty well authenticated. The great convenience and utility of the method led to its immediate and permanent adoption.

127. Bayer began with the Greek alphabet; and, if the known stars in the given constellation exceeded the number of letters in that alphabet, he then took up the Roman alphabet as far as was required. These two alphabets fully answered his purpose: for he did not meet with any constellation where it was necessary to extend the notation beyond the second alphabet†. Flamsteed proposed to follow Bayer, by affixing to the respective stars in each constellation, the corresponding letters in Bayer's maps: at the same time however preserving also in many cases the verbose descriptions and the proper names of the principal stars, agreeably to the custom of his predecessors. On these latter points he was rather austere, as may be seen by the anathema pronounced by him (in his *Prolegomena*, page 161) on all such as should deviate from that practice. In comparing the stars in Flamsteed's catalogue, with those in Bayer's maps, I have met with several errors, which I have here corrected. These errors have arisen sometimes from the printer having mistaken Flamsteed's letters, which are frequently obscurely written: thus, 65 *Piscium* is *i*, not *ι*; 52 *Andromedæ* is χ, not λ; 67 *Eridani* is β, not *h*; 62 *Geminorum* is ϱ, not *s*; 15 *Scorpii* is ψ, not χ; 45 *Herculis* is *l*, not *e*. In other cases Flamsteed appears to have taken the wrong letters from Bayer's maps: thus, 49 *Andromedæ* is not ξ; 50 *Andromedæ* is not υ; 43 *Cassiopeæ* is not *c*; 56 *Ceti* is not υ; 55 *Cassiopeæ* is not *ι*; 6 *Persei* is not *h*; 58 *Tauri* is not *h*; 27 *Orionis* is not ϱ; 57 *Cancri* is not *ι*; 5 *Ophiuchi* is not *g*; 106 *Aquarii* is not A. But, in whatever manner it may have happened that the true designations were misplaced, I have here restored them all to Bayer's original stars, as far as the same could be iden-

* Delambre has justly remarked that no man ever acquired immortal fame at so little sacrifice, or with so little trouble, as Bayer.

† Bayer never used any *capital* letters, except the letter A; which he has invariably adopted, both in his letter-press and on his maps, whenever he entered on the second alphabet. I see no good reason for this practice, although I have here continued it.

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tified: conceiving this to be much better than that the error should be perpetuated. Much confusion and inconvenience have already arisen in many of these discordant cases: and if only a few corrections were made, others would necessarily arise, as one error will generally be found to involve another. I therefore considered it better to revise the whole, and to restore Bayer's letters in every case to their proper stars—or to such stars as most nearly approach the positions intended to be laid down by Bayer—and thus to set the example of a reformation.

128. But, besides these letters of Bayer, Flamsteed has frequently introduced new ones (and in some cases, *duplicates*) of his own. This, however, I have reason to believe was only done, as a temporary measure for convenient reference: and had he lived to revise his catalogue himself, when it was finally published, I have no doubt but that he would have reconsidered and amended the subject; or probably have omitted such new letters altogether*. For, as it was Bayer's object that the order of magnitudes should, as nearly as possible, follow the order of the letters, it is evident that the introduction of such new letters would, in most cases, be at variance with this great and advantageous principle. Thus, for the sake of an example, let us take the case of 1, 6, and 12 *Aquilæ*, which Flamsteed has (without reference to Bayer) respectively designated by the letters *m*, *l*, and *i*: and which, according to Bayer's system of notation, would be considered as only of the 6th magnitude; since *h* is the last letter which he uses in that constellation. They are however all of the 5th magnitude; and, if Bayer's principle were followed, ought to have been inserted after the letter μ. Again, 70 *Ophiuchi* is designated by the letter *p*, in the British Catalogue; and therefore (according to Bayer's principle) might be supposed to be a star of very small magnitude; certainly not greater than the 6th: but it is a star of nearly the 4th magnitude; and

* See the group of 6 stars, situate under the feet of *Cassiopea*, in Flamsteed's maps, designated by the letters *c, d, e, f, g, h*: also the group of 6 stars between *Aquila* and *Ophiuchus*, designated by the letters *i, k, l, m, n, o*: also the two groups in *Pegasus*, one consisting of 3 stars, designated by the letters *e, f, g*, and the other consisting of 4 stars, designated by the letters *l, m, n, p*: also the group of 5 stars in *Cygnus*, designated by the letters *h, i, k, l, m*: also the group of 5 stars in *Ophiuchus*, designated by the letters *n, o, p, q, r*: also the group of 4 stars, near Medusa's head, in *Perseus*, designated by the letters *p, q, r, s*: also the group of 3 stars in *Gemini*, designated by the letters *p, q, r*: also the group of 3 stars near the tail of *Cetus*, designated by the letters *f, g, h*: also the group of stars forming the *Pleiades*, designated by the letters *b, c, d, e, f, g, h, k, l, m, p, s*. In all these, and some others of a like kind that might be adduced, I consider that Flamsteed had inserted the letters in his MS. maps, for a temporary purpose only, whilst he was in the course of verifying the positions of the stars (similar to the plan adopted by Newton in his *Principia*, for showing the path of the comet of 1680): and that such letters have been inadvertently and improperly retained by his editors. I have therefore, for the reasons stated in the text, in all cases rejected them, when they do not accord with Bayer.

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therefore ought to class with λ and μ. As the introduction of such new letters, therefore, vitiates the whole of BAYER'S principle of notation, I have in all cases rejected them; and at present retain none but those adopted by BAYER himself, until the whole subject is revised and amended.

129. A more striking instance, however, of the perversion of BAYER'S principle of notation may be seen in the method which has been adopted by FLAMSTEED, in the British Catalogue, in designating the stars in the constellation *Coma Berenices*. This constellation is not inserted amongst BAYER'S maps: and therefore the whole of it was new ground to FLAMSTEED, who has paid no attention whatever to the leading feature of BAYER'S method. For, in the first place, he does not use any Greek letters: and secondly, the letters which he does use, are not chosen or adapted with any regard to the magnitude of the stars; and are applied only to a small cluster, in the middle of the constellation. They seem introduced (as I have before stated) for the sake of some temporary convenience: and as they are so completely at variance with the principles laid down by BAYER, I have rejected the whole of them; being fully convinced that they never would have been sanctioned by FLAMSTEED, had he lived to see the final correction and publication of his catalogue.

130. Sometimes there is a doubt, as in the case of two near stars of equal (or nearly equal) magnitude, to which star BAYER'S letter should be applied. When such instances occur, FLAMSTEED has annexed the letter to each of them, and affixed the numerals 1 and 2, according to their order of right ascension. Thus, in the case of *κ Tauri*, the two stars are designated as κ^1 and κ^2; although there is only one star denoted by that letter in BAYER'S map. This may be justifiable, since it cannot now be ascertained as to which of the two BAYER meant specially to affix that letter: and probably their joint effect might have produced the appearance of *one* star to his eye. Other cases of this kind occasionally occur; and as no inconvenience or confusion can arise from this method, I have preserved FLAMSTEED'S mode of designation. But, where the two stars differ much from each other in magnitude, and are clearly distinguishable, such a mode of notation may lead to some confusion, as it evidently vitiates the leading principle of BAYER'S method. FLAMSTEED, however, has too frequently broken through the principle of BAYER'S method, by adding numerals (in the order of right ascension) to BAYER'S letters, without any regard to the magnitude of the stars in question: and sometimes even in defiance of BAYER'S express notation. Thus, let us take the case of 2, 4, and 6 *Virginis*: the former (which is of the $4\frac{1}{2}$ magnitude) is called by BAYER ξ; and the two latter (which are of the 6th magnitude), A^1 and A^2. But FLAMSTEED, on account of the *proximity* of the first two stars, without

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any regard to their *magnitudes*, has called them ξ^1 and ξ^2; and denoted the latter only by A. These errors I have corrected in the present catalogue. In some instances an innovation appears to have been made without due consideration: thus ξ *Geminorum* is properly 31 *Geminorum* in the British Catalogue, and is so called by Flamsteed: but he has also designated 30 *Geminorum* (a star of smaller magnitude) by that letter, overlooking entirely 32 *Geminorum*, which is marked (although erroneously) as of equal magnitude, and is much nearer Bayer's star. All such discordances are also corrected in the present catalogue.

131. There are four *clusters* of stars in Bayer's maps, distinguished by a *single* letter only, which appear to have been partly overlooked by Flamsteed: these are τ *Serpentis* consisting of 8 stars; τ *Eridani* consisting of 9 stars: υ *Eridani* consisting of 7 stars; and π *Orionis* consisting of 6 stars. In all these cases Flamsteed has supposed that Bayer intended to denote only *two* stars in each of those constellations*: which has probably arisen from his having only the *maps* of Bayer, *without the letter-press* printed at the back; as in such case, the mistake might easily have occurred. Perhaps this circumstance may also have given rise to other deviations from Bayer's method†. In all these instances I have restored Bayer's letter, annexing the numerals in the usual manner‡: but it may be proper to make a few additional remarks in the case of υ *Eridani*. Only four of

* The group of 10 stars, designated by Bayer as ψ *Aurigæ*, has been wholly overlooked by Flamsteed, as there is no star designated by that letter in the British Catalogue: probably from the difficulty of identifying the particular stars. In fact I have not been able to satisfy myself on this point, and I must leave the case as it is. The stars in question are the group lying between 90°—100° right ascension, and 38°—50° north declination. Some of them may be identified; but unless the whole be satisfactorily made out, it would only introduce confusion to apply Bayer's letters to a portion of them. Fortunately the stars are of small magnitude; and whether the letter be applied or not, is a matter of no great moment. I would here also remark that some difference of opinion formerly existed as to the identity of the 8 stars forming the cluster τ *Serpentis*: some astronomers conceiving that 33 *Serpentis* ought to be included, and 22 *Serpentis* omitted. But as the star, supposed to be 33 *Serpentis*, does not exist, there can now be no doubt on the subject.

† The copy of Bayer's maps, which belonged to the late Mr. A. Sharp, who had the final arrangement of Flamsteed's maps, does *not* contain the letter-press at the back of the maps. There are many copies of this imperfect edition in existence: they bear the same date (1603), and appear to be printed from the same plates as the perfect edition.

‡ The usual manner of annexing the numerals is according to the order of the right ascensions of the stars: but, in a few cases it would seem that Bayer intended a different arrangement. Thus the stars, forming the two series denoted by π *Eridani*, and ψ *Aurigæ*, appear to be reckoned in the order of their north polar distances: whilst those denoted by υ *Eridani* seem as if reckoned contrary to the order of their right ascensions. These few doubtful instances, however, ought not to invalidate the general rule adopted by astronomers.

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the 7 stars, so designated by BAYER, were observed by FLAMSTEED, on account of their great southern declination; and to only two of them has he annexed any letter, which are called by him υ^1 and υ^2. But they are, in fact, υ^6 and υ^7 of BAYER; and the other two stars are υ^4 and υ^5, and must be restored to their proper order: otherwise, since we are now about to join the stars in the southern hemisphere with those in the northern hemisphere, in one general catalogue (as is here the case) another source of discordance arises, which had better be obviated at once*. I am aware that some confusion may be suspected to arise, at first, from these various alterations; but they have not been made without due reflection, nor without consulting those who are well versed in the subject: and I trust, if any such confusion is experienced, that it will soon wear away, and that the alterations here adopted will eventually tend to the convenience of the practical astronomer.

132. It has been too much the practice, of late years, to increase the number of letters by which the stars are denoted: "a custom more honored in the breach than the observance;" since much confusion has thereby been introduced, which otherwise would not have occurred. BODE was the first and greatest innovator in this respect, and has carried his innovation to a most inconvenient and even absurd length; inasmuch as he has, in his great catalogue, exhausted two or three alphabets on some of the constellations, without the prospect of its leading to any advantage. Other astronomers have introduced a practice of designating stars, contiguous to any of BAYER's known stars, by numerals, according to the order of their right ascension; without any regard to their similarity of magnitude, which is the very essence of BAYER's notation. Thus we meet with α^1 *Libræ*, α^2 *Ceti*, β^1 *Capricorni*, and some others, which can have no pretensions to be classed with the stars designated by those letters in BAYER's maps†. Indeed it would have been much better had BAYER himself limited his notation to a few of the first

* Some confusion of this kind has been already introduced by the inattention of LACAILLE to BAYER's letters and method. Thus 41 *Eridani* (which is the fourth of the series of stars designated by the letter υ in BAYER's map) is called ξ; which letter is affixed by BAYER to a star situate in a very different part of the constellation: again, 43 *Eridani* (which is the fifth of the above series) is called *d*: whilst the first, second, and third of the above series, are respectively called *h*, *f*, and *g*. Numerous other cases may also be met with, and must now be corrected, otherwise the confusion will be increased, and perhaps soon be rendered perpetual and incorrigible.

† As it is certainly very convenient to adopt some sort of nomenclature by which the proximity and order of right ascension of a small star, close to any one of FLAMSTEED's stars, might be designated, we might adopt PIAZZI's method of notation, by annexing the letters *pr* or *sq* (according as the small star is preceding or following) instead of figures; which are too apt to mislead. Or the word *comes* might be adopted for the small star, whether it preceded or followed the great star,—a method which has been pursued by some modern astronomers.

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letters of the Greek alphabet, or at least to have excluded all stars below the 5th magnitude, since the smaller stars were very likely, especially in his day, to be mistaken one for the other; even as we now find to be the case when we attempt to identify not only some of his stars, but also those of modern astronomers who have followed in the footsteps of Bode. As a much more convenient and certain mode of designating the smaller stars, by means of a numerical arrangement in the order of their right ascension, is now universally adopted, astronomers ought to discountenance any further innovation on Bayer's method; and perhaps if they were to agree even to discard or disuse his notation altogether, in stars below the 5th magnitude, as above hinted at, it might tend to simplify and improve the subject. This however is a matter in which each practical astronomer will at present use his own discretion, until some general reform is accomplished *.

133. It does not exactly appear, from Bayer's work, how he obtained the positions of the stars which he has inserted in his maps. Tycho was the only authority in his day: and even the errors of Tycho would thus be perpetuated, if Bayer did not survey the heavens himself, and lay down his maps from actual observation. That some mistakes, arising from this source, have been committed, is evident from an inspection of the position of the stars in the left leg † of *Ophiuchus*: where a cluster of stars is placed on the *north* of the ecliptic, which, in fact, are situate to the *south* of that line. This error has arisen from Bayer having too implicitly followed the printed copy of Tycho's catalogue of the stars in the constellation *Ophiuchus*, all of which are therein stated to have *north* latitude, and are accordingly so printed likewise by Flamsteed in his *Historia Cœlestis*. But, I suspect that all the stars in *Ophiuchus*, from the 26th to the 32nd, both inclusive, in Tycho's catalogue, as edited by Flamsteed, have *south* latitude; otherwise they will not agree with the actual state of the heavens; nor indeed can they all be identified even on this supposition; and I have consequently been obliged to leave most of them as I found them. Other discordances also, apparently arising from the imperfection of the catalogues used by Bayer, are evident on a close examination; more especially if we compare his maps with the state of the southern hemisphere.

134. Part of the confusion in the application of Bayer's letters has arisen from a want of attention in drawing the outlines of the constellations on the maps; whereby it has sometimes happened that the stars which are placed by Bayer in

* The late Sir Wm. Herschel, in one of his papers inserted in the *Phil. Trans.* (1796, page 181) says that he discarded the *letters* entirely, and used only *numbers*; in order to prevent confusion in his references.

† In the *right foot*, according to Flamsteed.

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one constellation, are by Flamsteed retained in another. Thus, in Bayer's map of *Perseus*, he has delineated the sword so as to include two stars, which he designates as υ and φ. But these two stars are distinctly stated by Ptolemy to be in the foot of *Andromeda*, and are so placed by Flamsteed, being his 51 and 54 *Andromedæ*. Flamsteed however has been misled by Bayer in annexing his letters to these stars, and thus causing duplicates of such letters in the same constellation. Other instances of a similar kind may be met with: thus, 6 *Cancri*, which is called χ by Flamsteed, is Bayer's χ *Geminorum*; 15 *Cancri*, which is called ψ by Flamsteed, is Bayer's ψ *Geminorum*; and so likewise with some others. Sometimes the stars are so incorrectly placed on the map by Bayer, that it is difficult to make out *which* stars are intended. Thus, the 3 stars designated as σ *Cancri* may refer either to Flamsteed's 46, 57, 61 *Cancri*, or to his 51, 59, 64 *Cancri*: I have adopted the former supposition.

135. All the constellations known to the ancients have been subjected to Bayer's system of lettering; but, the 9 new constellations adopted by Hevelius, and still referred to at the present day (see page 59), have not yet been submitted to that mode of classification, if we except Flamsteed's imperfect attempt at *Coma Berenices* already mentioned. As there is no good reason, however, why the principal stars in these new constellations also should not be designated in a similar manner, I shall here commence the attempt by affixing the Greek letters to such of the stars in these new constellations as are not below the $4\frac{1}{2}$ magnitude; this being the limit to which I shall at present confine the extension. It is needless for me, in this place, to enter into the general question of the propriety or expediency of now making a total revision and amendment of Bayer's method of designating the principal stars, so as to include those of considerable magnitude which he has omitted, and to exclude such as are of inferior magnitude, and therefore liable to be confused one with another: or, in other words, whether it would be desirable to make a complete and radical reform of this system. Such a measure indeed seems to be called for at the present day; and, if conducted with judgment and skill, would be attended with convenience and advantage to the practical astronomer. It requires only a bold and prudent hand to carry the operation into effect, and to secure its general adoption. That Bayer's plan was imperfectly executed at first, is too notorious; and that it should have been so much so is somewhat surprising at the present day, since several stars of the 4th and 5th, and some even of the 3rd magnitudes, are wholly omitted in his maps, whilst several even so low as the 6th magnitude are retained. Moreover, the southern hemisphere was not sufficiently well known at that period to warrant a special nomenclature; and Bayer's attempt at that region of the heavens has

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been a failure, arising in great measure from the imperfect information which he obtained from the early navigators in the southern ocean as to the true positions of those stars. When Lacaille visited the Cape of Good Hope he adopted a more perfect arrangement; but at the same time introduced inconveniences and ambiguities of another kind, by extending the system of lettering to stars of small magnitude, which has been still further extended by Bode to the stars in the northern hemisphere, the very existence of some of which is yet doubtful.

136. Bayer's original plan of designating the *principal* stars, and their order of magnitude, by means of the *letters* of the alphabet, was very convenient, and was therefore immediately adopted by astronomers: but this extravagant and absurd system of extension, in modern times, has vitiated the grand object which Bayer had in view, and in many cases introduced inexplicable confusion. I need only appeal to the above-mentioned catalogues of Bode and Lacaille for the truth of this assertion: and, as the notation of these two astronomers sometimes interferes with each other, the identity of the required star, when it is of the 6th, or even of a greater magnitude, is not always manifest. In order to show the confusion caused by such a profusion of letters as that which is here alluded to, I would remark that Lacaille has, in the constellation *Argo* alone, used (besides the Greek alphabet) the whole of the English alphabet, both in *small* and in *capital* letters, *each* of them more than *three* times: in fact, he has used nearly 180 letters in that constellation alone; and upwards of 80 in *Centaurus*. Thus we have in *Argo* 3 stars marked *a*, and 7 marked A; 6 marked *d*, and 5 marked D; and so on with several others: and these stars are not always such as follow each other in regular sequence (which is, in some cases, pardonable) but are frequently situate in distant parts of the heavens. It is high time that this state of confusion and perplexity should be wholly abolished: and although I have myself freely adopted it, when employed on the nomenclature of the stars in the Astronomical Society's Catalogue, yet I have since had cause, in many cases, to regret the insertion of *letters* where they would have been much better omitted. In no case would I recommend the use of *Greek* letters, except for stars *above* the 5th magnitude; and if letters should be considered requisite to designate any of the smaller stars, the *Roman* alphabet may be adopted for the sake of distinction: but, in general, the catalogue *number* of any such star will be sufficient to express its identity. The numbers of Flamsteed must, at present, by the general consent of all astronomers, be retained; and where they fail, the numbers in the catalogues of Piazzi, Taylor and Lacaille may be adopted. As these catalogues contain almost the whole of the principal stars in the heavens, no difficulty can arise in identifying such stars as are common to both: and whenever any anonymous stars occur in

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other catalogues (such as those of BRADLEY, BRISBANE, GROOMBRIDGE, and others) we shall find also that a reference to *their* numbers is always the most ready and convenient mode of designating them. Nevertheless a new *classification* and *numeration* of the stars in the several constellations is still a desideratum.

137. I have thought it proper here to enter fully into this subject, because the alterations in the lettering of the stars, which are here adopted, exhibit a difference from the system pursued in the Astronomical Society's Catalogue. This alteration however is warranted by the new light which has been thrown on the subject by a minute examination of LACAILLE'S catalogue, and also of FLAMSTEED'S manuscripts, as detailed and more fully explained in the Introduction and in the Notes to the British Catalogue, inserted in my *Account of the Rev. JOHN FLAMSTEED*; from which work the substance of this section is principally taken, and to which I must refer the reader for further information on such points as may appear to require illustration.

XX. *Errors in FLAMSTEED'S Catalogue.*

138. The British Catalogue of FLAMSTEED is one of the proudest productions of the Royal Observatory at Greenwich, considering the age in which it appeared: for, it should always be borne in mind that he commenced his labours under a variety of new circumstances, and under great and manifold disadvantages. And, if some errors and mistakes are discoverable in his works, they should not be wholly imputed to his own negligence or to that of his computers, but greatly to the various difficulties with which he had, all through life, to contend. He walked in an almost untrodden path, being one of the first who made use of the telescope in astronomical observations: and at the time when he commenced his astronomical career, the only catalogue of stars in general use was that of TYCHO BRAHÉ, whose positions could not have been very accurate, since the observations were made with the naked eye, and with instruments coarsely divided.

139. Considering therefore that a new and a wide field was thus opened to the future astronomer by the introduction of the telescope, it becomes peculiarly necessary that the first recorded results obtained by its means should be placed upon a firm and trustworthy basis; since those results may be appealed to, some centuries hence, for various astronomical purposes, or for the elucidation of points not hitherto dreamt of. And there can be no question about the propriety of investigating the accuracy of that new and splendid catalogue which FLAMSTEED has left us, and of placing it on a firmer footing, so that it may be appealed to with more confidence in after ages.

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140. When we bear in mind the several circuitous and different modes which FLAMSTEED was obliged to adopt in order to obtain his results, and the length of time during which the computations were carried on, which is in itself destructive of any system of uniformity, it is not at all surprising that we should meet with errors and anomalies, when the whole came to be collected and arranged in one general catalogue. It is indeed too true that astronomers have long lamented that the British Catalogue should contain such numerous discordances as have been pointed out by various authors: but whether these have arisen from errors of observation or mistakes of the pen, has been frequently a matter of doubt and discussion, and has only recently been cleared up. Many stars have been supposed to be lost, because they cannot now be found in the places assigned by FLAMSTEED; some have been mistaken for other and different stars by the modern astronomer*; whilst not a few have had a proper motion assigned to them which they do not possess: and thus great confusion and uncertainty have been inad-

* Amongst the several mistakes of this kind that have been made, I shall enumerate the following; which will be quite sufficient to show the confusion and uncertainty that has hitherto existed. Baron ZACH states (*Monath. Corres.* vol. ix.) that the star observed at Manheim by M. BARRY, whose position for 1800 is $R = 1^h\ 33^m$, and $D = +\ 22^\circ\ 5'\ 44''$, as given in his catalogue of zodiacal stars, page cxiv, is 108 *Piscium*; also that the star No. 846 in the same catalogue is 19 *Virginis*; moreover that the star in PIAZZI's catalogue XIX. 347 is 62 *Draconis*: yet none of these stars exist, and the public are only misled by FLAMSTEED's numbers being annexed in such ambiguous cases. He has likewise supposed that No. 960 in his catalogue is 91 *Virginis*, although it differs upwards of 18° in declination from FLAMSTEED's star. He also considers that the introduction of 101 *Virginis* into the British Catalogue has arisen from an error in computing its right ascension; for that if 30′ be added thereto it will agree with 20 *Bootis*: but the right ascension is correct, and the error has arisen from a mistake of 1° in the declination. The right ascension and declination of the star which he calls 3 *Arietis* belong to two different stars. He has also supposed that 23 *Sagittarii* is the same as PIAZZI XVIII. 81: FLAMSTEED's star however is neither in PIAZZI's nor in any other catalogue; but Mr. AIRY, when at Cambridge, was good enough to look out for it, at my request, and found that its position accords with that given in the present catalogue. Sir WM. HERSCHEL has considered that 12 *Sagittarii* is the same as PIAZZI XVII. 366: but this latter star is 11 *Sagittarii*, and PIAZZI did not observe 12 *Sagittarii*. The following misnomers also occur in PIAZZI's catalogue, some of which have been transferred likewise into BRADLEY's catalogue: viz. 38 *Persei* is III. 123, not 85; 18 *Aurigæ* is V. 27, not 26; 7 *Lyncis* is VI. 115, not 123; 22 *Crateris* is XI. 115, not 117; 35 *Draconis* is XVII. 380, not 370; 18 *Sagittarii* is XVIII. 52, not 33; 24 *Sagittarii* is XVIII. 105, not 99; 9 *Lyncis* is VI. 123; 29 *Sextantis* is X. 86, which both PIAZZI and BESSEL have supposed to be 28 *Sextantis*; 56 *Draconis* is XIX. 38; and *comes* 19 *Cygni* is XIX. 304, which PIAZZI has supposed to be 19 *Cygni* itself. I would further remark that LALANDE applies 80 *Aquarii* to PIAZZI XXII. 254; whilst PIAZZI considers it to be XXII. 279: neither of them however agreeing with the position as given in the present catalogue. These are not (neither have they ever been supposed to be) errors of the press, but the deliberate result of the attempts of the respective authors to reconcile the discordant cases in the British Catalogue: and are sufficient to show the inconvenience and impropriety of definitely annexing FLAMSTEED's number to a star, whose identity is not well ascertained.

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vertently introduced into a science, which in other respects may justly boast of its extraordinary accuracy and precision. These discordances have too frequently, but very unjustly, been attributed to errors of observation; arising either from the inexpertness of the observer, or the imperfection of his instruments. Whereas I have found that nearly the whole of those errors are the result of arithmetical mistakes in the calculations, which I have been enabled to rectify: and we have thus the means of restoring not only the British Catalogue to its originally intended accuracy, but also the character of FLAMSTEED to that high rank, to which he is, by his extraordinary labors, so justly entitled. His observations, although not equal in point of accuracy to those made in more modern times, possess an interest and importance from their very antiquity, which will always render them valuable to the practical and physical astronomer. The British Catalogue itself (imperfect as FLAMSTEED left it) has been made the foundation, and has probably been the *cause*, of all subsequent catalogues*; and its nomenclature is universally adopted by astronomers of all nations. But, FLAMSTEED was harassed and annoyed in the latter part of his life, and worn down by infirmities which had stuck to him from his infancy; and therefore had not the spirit, nor indeed had he the adequate means, for revising his computations, or for reducing the whole of his observations; since there are nearly 500 stars now known to have been observed by him, that were not inserted in the British Catalogue. It is, however, rather a matter of astonishment that he accomplished so much, considering his slender means, his weak frame, and the vexations which he constantly experienced.

141. The number of stars in the British Catalogue, as published by FLAMSTEED, is 2935: but as 22 of those are duplicates (or synonymous) this number should be reduced to 2913. Out of these, however, there are 61 that do not (nor ever did) exist; it being now ascertained that the positions were erroneously computed: to which may be added 22 others, of which there are no records of their having ever been observed, or if observed have been erroneously computed and belong to other stars, and are no longer to be seen in the positions assigned to them. The insertion of any duplicate stars in the British Catalogue was evidently an oversight of

* BRADLEY'S labors at the Royal Observatory, in this department of the science, consist almost wholly of a re-observation of the stars in FLAMSTEED'S catalogue. He caused those stars to be reduced to the year 1744, and arranged in the order of right ascension, as a sort of working catalogue for his own use; which book still exists in the library of the Royal Observatory. Very few other stars have been observed by BRADLEY, except such as occasionally entered the field of his telescope whilst he was watching for those of FLAMSTEED. We are thus indebted to FLAMSTEED for the subsequent labors of BRADLEY: for had not FLAMSTEED led the way, there is much doubt whether BRADLEY (seeing that he merely followed FLAMSTEED'S steps) would have pursued a similar independent course. BRADLEY'S catalogue contains 3222 stars; whereas FLAMSTEED'S *enlarged* catalogue contains nearly 3300 stars.

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the editors; as FLAMSTEED endeavoured to guard against it as much as possible: it was however difficult wholly to avoid it, in the manner the catalogue was arranged. In some of the MS. catalogues (of which there are several, in various stages of their progress, amongst FLAMSTEED'S MSS. at the Royal Observatory) it may occasionally be seen that a star has been struck out of a certain constellation, with a note attached thereto that it belongs to some other. This star has sometimes been omitted to be inserted in such new place; and at other times both positions have been inadvertently retained: thus, in the one case, increasing the number of omitted stars, and in the other producing a synonym. The following is a list of the stars here mentioned: viz.

FLAMSTEED'S synonymous Stars.		
25 Aquarii	=	6 Pegasi
27 ———	=	11 ———
38 Arietis	=	88 Ceti
30 Aurigæ	=	32 Camelopardi
29 Comæ Ber.	=	36 Virginis
31 ———	=	13 Canum Ven.
10 Draconis	=	87 Ursæ Maj.
1 Eridani	=	90 Ceti
24 Herculis	=	51 Serpentis
28 ———	=	11 Ophiuchi
43 ———	=	17 ———
58 Hydræ	=	6 Libræ
10 Leonis	=	1 Sextantis
67 ———	=	53 Leonis Min.
4 Libræ	=	53 Hydræ
30 Lyncis	=	58 Camelopardi
38 Ophiuchi	=	31 Scorpii
24 Piscis Aust.	=	79 Aquarii
69 Piscium	=	40 Andromedæ
106 ———	=	51 Ceti
107 ———	=	2 Arietis
112 Tauri	=	23 Aurigæ

The left-hand column contains the names of the constellations retained in the present catalogue.

142. I have alluded above to certain stars, which have hitherto formed part of the British Catalogue, but which I have since ascertained, from FLAMSTEED'S own

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computations, never did exist; the total number of such stars is 61, as already mentioned: and they have consequently been wholly excluded (as they evidently should be) from the present catalogue. The following is a list of them, arranged alphabetically:

FLAMSTEED'S Stars that never existed.			
33 Aquilæ	38 Cygni	1 Libræ	108 Piscium
34 ———	56 Draconis	25 Leonis	8 Sagittarii
40 ———	62 ———	28 ———	33 Serpentis
43 ———	70 ———	38 ———	52 ———
13 Camelopardi	31 Eridani	12 Leonis Min.	54 ———
26 Cancri	17 Geminorum	6 Ophiuchi	3 Tauri
56 ———	29 ———	46 ———	8 ———
73 ———	50 ———	48 ———	15 ———
74 ———	72 ———	59 ———	34 ———
29 Cassiopeæ	73 ———	12 Orionis	82 ———
41 ———	71 Herculis	26 ———	124 ———
24 Ceti	80 ———	65 ———	138 ———
74 ———	81 ———	19 Persei	18 Virginis
19 Comæ	8 Hydræ	50 Piscium	19 ———
34 ———	36 ———	56 ———	45 ———
5 Cygni			

143. There is however another class of stars, which, although excluded from the present catalogue, appear to have been accurately recorded, but cannot now be found in the heavens: these amount to 11 in number, and are as follow: viz.

FLAMSTEED'S Stars observed, but not existing.	
80 Aquarii	65 Ophiuchi
*28 Arietis	*28 Sextantis
27 Camelopardi	100 Tauri
3 Cassiopeæ	7 Ursæ Majoris
*21 Geminorum	*91 Virginis
55 Herculis	

The existence of the stars, to which an asterisk is annexed, may be reconciled by supposing an error in recording the *minute* in the time of transit.

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It cannot be supposed that so many stars have actually vanished from our system: and the only probable explanation, that can be offered, is either that there has been some error in the original observations, or some inaccuracy in recording them (but, of which we shall now perhaps ever remain ignorant), or that they may relate to some of the new planets, that accidentally entered the field of the telescope in the course of observation: or again, that they may be stars varying from time to time in magnitude, and perhaps occasionally disappearing. That stars, of this latter class, exist, there can be no question; and that some of the stars in the British Catalogue *may* be of this kind, would appear probable from the circumstance that Sir W. HERSCHEL states (in his fourth catalogue of the comparative brightness of stars, inserted in the *Phil. Trans.* for 1799, page 143) that he could not discover 9 *Tauri*; and that M. LALANDE could not find 14 *Draconis*: moreover, PIAZZI says that he could not find 3 *Arietis*. Yet all these stars are known to exist; and in the places originally described.

144. But the most remarkable class of stars are those which, although inserted by FLAMSTEED in the British Catalogue, neither exist, nor (as far as I can ascertain) have been observed by him: and the difficulty is to account for their insertion. These stars however are but few, amounting in this case also only to 11 in number, and are as follow: viz.

FLAMSTEED'S Stars not observed, nor existing.	
17 Argus	22 Virginis
12 Canis Minoris	23 Ε ———
22 Canum Venat.	24 ———
76 Orionis	42 ———
42 Serpentis	52 ———
	11 Vulpeculæ

I have taken some pains to inquire into this singular circumstance; but I am unable to throw much light on it. Some of them, I suspect, are introduced through errors of computation; as I have remarked in the notes appended to them in my *Account of the Rev.* JOHN FLAMSTEED*. But, as to the rest, I cannot discover the least clue to the cause of their introduction; nor any trace of the computations amongst the MS. books at the Royal Observatory at Greenwich. Many of those, which Miss HERSCHEL considered as lost stars, are ascertained to have been intro-

* See also the *Monthly Notice* of the Roy. Astron. Society for June 9, 1837, where the erroneous introduction of 42 *Virginis* is accounted for.

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duced into the British Catalogue, from such errors as those just mentioned: but these anomalous ones still remain unexplained.

145. I shall not here enter into a special statement or account of the several errors and discordances which I have discovered in the British Catalogue, nor into the various alterations that I have introduced; as those will best appear from the various *notes* at the end of the catalogue, in my *Account of the Rev.* JOHN FLAMSTEED, where each particular case is separately and distinctly considered. But, I would here mention that I have in all cases preserved FLAMSTEED'S numbers, for the several stars which he has inserted in the British Catalogue: for although that order is occasionally deranged by the correction of the errors which I have since discovered (and is, in fact, completely deranged by the additional stars observed by him and which ought to have formed part of his original catalogue), yet I have not thought it right or proper in the present arrangement to disturb the nomenclature, so universally adopted. Thus, although the position of the very first star in the British Catalogue (1 *Arietis*) is erroneously deduced, and ought to have been placed between 4 and 5 *Arietis*; yet I have still continued to designate it by its well-known number. Again, *Polaris* is now the second star in *Ursa Minor*, instead of being the first: and again, the position of 1 *Sagittarii* is also erroneously deduced, and should have been placed between 11 and 12 *Sagittarii*: the *rejection* also of certain non-existing and duplicate stars would derange the notation. But, to alter all these numbers at the present day, on this account only, without a general reform, would lead to great confusion: and I have therefore retained the *original* number of each star in his catalogue. Other cases of a like kind might be adduced, which would confirm the propriety of not making any partial alteration at present in this respect: in fact, we find that FLAMSTEED'S notation is already and will continue to be further deranged, by the mere precession of the equinoxes.

146. But, considering that the numerous errors and omissions in FLAMSTEED'S original catalogue, together with the various misplacings of the stars (already alluded to in the note in page 60), and the vast mass of additional stars, more especially in the southern hemisphere, observed since his time, have rendered his classification and arrangement imperfect, and by no means adequate to the wants, the researches and the convenience of the practical astronomer of the present day —bearing in mind also that many subsequent astronomers have not agreed upon or adopted an uniform system of nomenclature, but have sometimes placed the same stars in different constellations, without due consideration of the inconvenience thereby occasioned—keeping in view likewise that LACAILLE has adopted a new system of notation in some of the constellations visible in these latitudes,

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and has moreover extended their boundaries so far to the north as to interlace and interfere with the limits of some of the more ancient constellations, thereby causing much confusion and great difficulty of identification—and seeing that these anomalies are increased by every new star that may be added to our catalogues, from the impracticability of determining its legitimate and proper location, for want of some recognized boundary to the constellations—considering all these circumstances, there can be no doubt that a better classification and more enlarged enumeration of the stars, than this of FLAMSTEED'S, might be proposed; and I trust that many years will not be suffered to elapse before some plan of this kind is projected and adopted. I allude here to a more complete classification and numerical arrangement of *all* the known stars in the several constellations, to the sixth magnitude inclusive (which includes every star visible to the naked eye), so that every such star should have its appropriate number in the constellation to which it properly belongs. Now, as nearly every star, visible to the naked eye, in both hemispheres, is probably to be found in one or other of the various catalogues that have appeared in modern times, and as they are all contained (as far as I have been able to collect them) in the present catalogue, a favorable opportunity exists for the formation of such an arrangement and classification as that which I have here suggested. By limiting the stars to those of the sixth magnitude (that is, to all such as are not *below* the sixth magnitude) we are enabled at once to lay down such boundaries and to apply such systems of numbering and lettering to the stars in the several constellations, as are not likely in future to be disturbed or deranged by subsequent discoveries: the immense mass of smaller stars being left to be located within the recognized boundaries, but without any numerical distinction. ARGELANDER appears to have contemplated, and even to have commenced, some plan of this kind, in the catalogue of stars that accompanies his *Uranometria Nova*; but it has not been executed on so general or extensive a scale as that which is here proposed; and moreover it embraces only those stars that are visible in these latitudes. Should this distinguished astronomer resume the subject of classification, I trust that he will have regard to a reformation also in BAYER'S system of lettering the stars.

147. There will always be some doubt or uncertainty in the final arrangement of a system of this kind, arising from the difficulty of determining with precision the true magnitude of the stars which are to form the *limit* of selection; since a star may be designated by one observer as of the 6th magnitude, and therefore admissible, whilst another observer may record the same star as of the $6\frac{1}{2}$, or even of the 7th magnitude, and therefore liable to be rejected. Moreover, many stars are known to be *variable*, and others (although not so well ascertained) may still

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be of this kind, consequently appearing sometimes proper to be admitted into the list, and at other times wholly exclusive; thus rendering the system of a migratory character. This difficulty however is inherent in any arrangement of this kind, at whatever time it may be adopted, or to whatever class of stars it may be restricted: and perhaps there is no better opportunity than the present for the prosecution of such a plan, since it is probable that we now know all the stars that are truly of the 6th magnitude (or that have ever appeared to be such), and that the doubt exists only as to such stars as may be supposed to be somewhat below it. In such dubious and uncertain cases it will be best to err on the safe side, and to admit rather than reject; which is, in fact, the plan that I have adopted in forming the present catalogue. For, when two observers differ in their determination of the magnitude of a star (one making it of the 6th and the other of the 6½ or 7th magnitude) the presumption is that, at some one time or another, it has appeared of the 6th magnitude, and that it therefore comes within the limits of the system proposed; the accidental diminution of the magnitude being caused either by a variability in the state of the atmosphere, or in the star itself.

XXI. *Arrangement of the columns in the Catalogue.*

148. The present catalogue contains all the stars that have been selected agreeably to the method previously explained in page 9. They are arranged in the order of their right ascension, and reduced to January 1st, 1850. The left-hand page is confined to the right ascensions, and the right-hand page to the north polar distances and the synonyms.

On the *left-hand* page, the first column denotes the numbers in the present catalogue, which are continued uninterruptedly from No. 1 to the end, for the sake of a convenient reference: and where an asterisk is affixed to any number it designates that there is a Note, relative to such star, at the end of the catalogue. The second column contains the stars arranged in the order of their right ascension: the constellation, in which each star is placed, is always given; and, if it is one of FLAMSTEED'S catalogued stars, the number in the constellation is annexed: BAYER'S letter also is subjoined to the northern stars, and LACAILLE'S to the southern ones. The third column denotes the magnitude of the stars*, as taken from

* Some of the stars (even amongst those beyond the limit of 10° from the ecliptic) are here recorded as being *below* the 6th magnitude, and thus appearing to be in contravention to the rule which I had proposed for the selection. But, in most of such doubful cases it will be found that the star has been observed as high as the 6th magnitude by some one or other of the astronomers referred to, although a smaller magnitude may be recorded in this column, as the mean of the whole.

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approved catalogues. The fourth shews the right ascensions *in time*, for January 1, 1850. The fifth, sixth and seventh columns contain respectively the annual precession, secular variation of the annual precession, and the annual proper motion of the star in right ascension, each being expressed in *time*. The four remaining columns contain the logarithms of the quantities a, b, c, d; each of which has been previously divided by 15, in order to reduce them to *time*, agreeably to the note in page 26.

On the *right-hand* page, the first column denotes the same numbers as the first column on the left side; and is here inserted for the sake of a ready comparison of the different stars. The second column denotes the north polar distances of the stars on January 1, 1850. The next three columns contain respectively the annual precession, secular variation of the annual precession and the annual proper motion: and the next four columns contain the logarithms of the quantities a', b', c', d'. The last six columns denote the synonyms, and are inserted for the purpose of identifying the stars in the present catalogue with those in other catalogues. And in order to avoid any ambiguity on this subject, I shall here enter a little more into an explanation of these six columns.

149. The column headed "Bradley" refers to the numbers in BRADLEY'S catalogue in the *Astronomiæ Fundamenta*; and that which is headed "Piazzi" refers likewise to the numbers in PIAZZI'S catalogue, the hour (in which it is to be looked for) being indicated by the right ascension of the star on the opposite page. TAYLOR'S five catalogues are distinguished by the numeral letters prefixed to the ordinal numbers; and, as TAYLOR has sometimes recorded the same star in two different catalogues, I would here remark that I have, in such cases, always referred to the more recent volume, as being presumed to be the best authority, where there is any doubt. The column headed "Lacaille" refers to the numbers in the *new* catalogue of 9766 southern stars, now in the press; and that which is headed "Brisbane" refers to his catalogue of 7385 stars chiefly in the southern hemisphere. The column headed "Various" contains, for the most part, references which are not sufficiently extensive to warrant a separate classification, and which relate to the records of such stars as come within the following classes: viz. 1°, those which, although formerly observed by HEVELIUS, FLAMSTEED, MAYER, ZACH and others, have either from presumed errors or subsequent inattention, been in some measure lost sight of, till recognized and re-observed in more modern times: 2°, those which, although of the 6th magnitude, have been either for the first time recorded

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by LALANDE*, GROOMBRIDGE, ARGELANDER, AIRY, BESSEL, JOHNSON, RUMKER and others; or now re-observed by them: 3°, those which, although in some cases below that magnitude, have, for some special reasons, been minutely and accurately observed by some one or more of those astronomers, and inserted in the present catalogue. The references to HEVELIUS and FLAMSTEED are indicated by the letters B.H. and B.F, as already mentioned in page 12; and the references to AIRY's two catalogues are denoted by AIRY(C) and AIRY(G), as likewise mentioned in page 11; the remainder of the above-mentioned astronomers are sufficiently designated by the initials of their names. I have seldom considered it necessary to annex any references in *this* column to the re-observations of FLAMSTEED's well-known stars, as there is now but little doubt as to their identity, and they can be readily found in the respective catalogues that are in the hands of every practical astronomer: in most cases however I have retained the numbers of MAYER's catalogue. When the position of a star depends wholly on LACAILLE, I have appended a note indicating the precise observation, with the rhomboidal micrometer, from which the place of the star has been deduced, in order that it may be more specially examined if required.

150. Before I close this Preface it may be proper to state (as an historical record of the method pursued in the progress of the work) that, after I had made the selection of the stars intended to form the present catalogue, I placed it in the hands of Mr. RICHARD FARLEY, the principal assistant in the Nautical Almanac Office (formerly engaged in completing the Astronomical Society's Catalogue), who examined the various catalogues mentioned in page 11 for the corresponding authorities and synonyms on the present occasion. As all the computations were to be executed in duplicate, Mr. FARLEY associated with himself in this undertaking Mr. EDWARD RUSSEL and Mr. ROBERT ALGER, two other assistants in the same office; but it is to the labour, care and attention of Mr. FARLEY in particular that the public are indebted for the accuracy of the present catalogue, seeing that not only the whole of the computations, but also the comparisons and revisions have been made and examined by him. The results of the two sets of calculations for the position of each star, brought up to 1850 by the method explained in page 16 (which were always made *separately and independently of each*

* The figures, that are annexed to the letter L, denote the *page* of the *Histoire Céleste*, where the observation will be found: the printing of the reduced observations in that work not being yet sufficiently advanced, to enable me to quote the *numbers* in the catalogue.

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other), were in the first place carefully compared, till the list had been completed. The few or trifling errors that were thus discovered were then adjusted; and the computations for the annual precessions, the secular variations and the logarithms of the constants were afterwards commenced, and carried on in like manner, *separately and independently of each other*, till the work was completed. The whole of these calculations were subsequently written out fairly for the press, and compared with *each* computer's MS. copy; and in this perfect and corrected state they were delivered into my hands.

I had then to examine the whole, in order to see that no proposed star had been omitted;—to locate each selected star in its proper constellation, agreeably to the plan already explained in pages 59—63;—to affix the correct synonyms, or authorities from which the positions have been deduced;—and finally to annex the presumed magnitude of each star, which was frequently a work of no little doubt and difficulty, considering the great discordances that I found to exist between the different observers, especially in the smaller stars.

The MS. was then delivered to the printer; and during the progress of the work the present preface has been written and completed. Mr. Russel has undertaken to correct the press, and to see that the catalogue is accurately printed: so that I trust no great number of errors will be detected on the appearance of the publication. But, in a work of so great an extent, involving such a mass of computations, and subjected to so many examinations and revisions, it can scarcely be expected to be faultless: yet, with all its probable imperfections, it will still be by far the most useful and valuable collection of the kind, that has ever yet been laid before the public.

FRANCIS BAILY.

April 30, 1844.

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TABLE I.

Showing the correction to be applied to the dates in the proposed Tables, for each fictitious year, from 1800—1900. See page 28.

(Adapted to *mean solar* time.)

	Year.	x	Corresponding hour.		Year.	x	Corresponding hour.		Year.	x	Corresponding hour.	
		d	h	m		d	h	m		d	h	m
C	1800	+0·110	+ 2	38	1834	+0·347	+ 8	20	B 1868	+0·583	+14	0
	1801	0·352	8	27	1835	·589	14	9	1869	− ·174	− 4	11
	1802	0·594	13	16	B 1836	·831	19	58	1870	+ ·068	+ 1	38
	1803	0·837	20	5	1837	·074	1	46	1871	+ ·310	+ 7	26
B	1804	1·079	25	54	1838	·316	7	35	B 1872	+ ·552	+13	15
	1805	0·321	7	43	1839	·558	13	24	1873	− ·205	− 4	56
	1806	0·563	13	32	B 1840	·800	19	12	1874	+ ·037	+ 0	53
	1807	0·806	19	21	1841	·043	1	2	1875	+ ·279	+ 6	42
B	1808	1·048	25	10	1842	·284	6	49	B 1876	+ ·521	+12	31
	1809	0·290	6	59	1843	·527	12	39	1877	− ·236	− 5	40
	1810	0·533	12	48	B 1844	·769	18	28	1878	+ ·006	+ 0	8
	1811	0·775	18	36	1845	·011	0	16	1879	+ ·248	+ 5	57
B	1812	1·017	24	24	1846	·254	6	5	B 1880	+ ·490	+11	46
	1813	0·259	6	13	1847	·496	11	54	1881	− ·267	− 6	25
	1814	·502	12	2	B 1848	+ ·738	+17	43	1882	− ·025	− 0	36
	1815	·744	17	51	1849	− ·019	− 0	28	1883	+ ·217	+ 5	12
B	1816	·986	23	40	1850	+ ·223	+ 5	21	B 1884	+ ·459	+11	1
	1817	·228	5	29	1851	+ ·465	+11	10	1885	− ·298	− 7	10
	1818	·471	11	18	B 1852	+ ·707	+16	58	1886	− ·056	− 1	21
	1819	·713	17	7	1853	− ·050	− 1	12	1887	+ ·186	+ 4	28
B	1820	·955	22	56	1854	+ ·192	+ 4	36	B 1888	+ ·428	+10	17
	1821	·197	4	45	1855	+ ·434	+10	25	1889	− ·329	− 7	54
	1822	·440	10	34	B 1856	+ ·676	+16	13	1890	− ·087	− 2	5
	1823	·682	16	22	1857	− ·081	− 1	57	1891	+ ·155	+ 3	43
B	1824	·924	22	11	1858	+ ·161	+ 3	52	B 1892	+ ·397	+ 9	32
	1825	·166	3	59	1859	+ ·403	+ 9	40	1893	− ·360	− 8	39
	1826	·409	9	48	B 1860	+ ·646	+15	30	1894	− ·118	− 2	50
	1827	·651	15	37	1861	− ·112	− 2	42	1895	+ ·124	+ 2	59
B	1828	·893	21	26	1862	+ ·130	+ 3	7	B 1896	+ ·366	+ 8	48
	1829	·135	3	15	1863	+ ·372	+ 8	56	1897	− ·391	− 9	23
	1830	·378	9	4	B 1864	+ ·614	+14	44	1898	− ·149	− 3	35
	1831	·620	14	53	1865	− ·143	− 3	27	1899	+ ·093	+ 2	14
B	1832	·862	20	42	1866	+ ·099	+ 2	22	C 1900	+0·335	+ 8	3
	1833	+0·104	+ 2	31	1867	+0·341	+ 8	11				

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TABLE II.

Showing the correction for the date, on account of the difference of meridians, to be applied only when *Greenwich* mean solar time is used. See page 29.

Observatories.	*l*	In time.
	d	h m
Abo	−0·062	1 29
Altona	− ·028	0 40
Berlin	− ·037	0 53
Berne	− ·021	0 30
Cadiz	+ ·017	0 24
Calcutta	− ·246	5 54
Cape of Good Hope	− ·051	1 13
Coimbra	+ ·023	0 33
Copenhagen	− ·035	0 50
Dantzic	− ·052	1 15
Dorpat	− ·074	1 47
Dublin	+ ·018	0 26
Geneva	− ·017	0 24
Genoa	− ·025	0 36
Göttingen	− ·028	0 40
Königsberg	− ·057	1 22
Lisbon	+ ·025	0 36
Madras	− ·223	5 21
Madrid	+ ·010	0 14
Manheim	− ·024	0 35
Mexico	+ ·276	6 37
Milan	− ·026	0 37
Palermo	− ·037	0 53
Paramatta	− ·419	10 3
Paris	− ·006	0 9
Petersburg	− ·084	2 1
Philadelphia	+ ·209	5 1
Prague	− ·040	0 58
Stockholm	− ·050	1 12
Turin	− ·021	0 30
Vienna	− ·045	1 5
Wilna	−0·070	1 41

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TABLE III.

Showing the mean longitude of the Moon's node, on January 1 in every year, from 1800—1900. See page 30.

(Adapted to *mean solar* time.)

Years.	☊	Years.	☊	Years.	☊	Years.	☊
	°		°		°		°
1800	33·211	1826	250·324	1852	107·438	1878	324·552
1801	13·869	1827	230·983	1853	88·096	1879	305·210
1802	354·527	1828	211·641	1854	68·754	1880	285·868
1803	335·186	1829	192·299	1855	49·413	1881	266·527
1804	315·844	1830	172·957	1856	30·071	1882	247·185
1805	296·502	1831	153·616	1857	10·729	1883	227·843
1806	277·160	1832	134·274	1858	351·387	1884	208·501
1807	257·818	1833	114·932	1859	332·045	1885	189·160
1808	238·477	1834	95·590	1860	312·704	1886	169·818
1809	219·135	1835	76·248	1861	293·362	1887	150·476
1810	199·793	1836	56·907	1862	274·021	1888	131·134
1811	180·451	1837	37·565	1863	254·679	1889	111·792
1812	161·109	1838	18·223	1864	235·337	1890	92·451
1813	141·768	1839	358·881	1865	215·995	1891	73·109
1814	122·426	1840	339·539	1866	196·653	1892	53·767
1815	103·084	1841	320·198	1867	177·312	1893	34·425
1816	83·742	1842	300·856	1868	157·970	1894	15·084
1817	64·400	1843	281·514	1869	138·628	1895	355·742
1818	45·059	1844	262·172	1870	119·286	1896	336·400
1819	25·717	1845	242·831	1871	99·945	1897	317·058
1820	6·375	1846	223·489	1872	80·603	1898	297·716
1821	347·033	1847	204·147	1873	61·261	1899	278·375
1822	327·692	1848	184·805	1874	41·919	1900	259·033
1823	308·350	1849	165·463	1875	22·577		
1824	289·008	1850	146·122	1876	3·236		
1825	269·666	1851	126·780	1877	343·894		

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TABLE IV.

Containing the Logarithms of A and B, for every tenth day in the fictitious year.

(Adapted to *mean solar* time.) See page 31.

Argument.	log A.	log B.
Jan. 1	−0·5541	+1·3020
11	0·8311	1·2796
21	0·9894	1·2413
31	1·0943	1·1841
Feb. 10	1·1672	1·1024
20	1·2176	0·9849
Mar. 2*	1·2503	0·8042
12	1·2681	+0·4636
22	1·2724	−9·7951
April 1	1·2636	0·6146
11	1·2414	0·8733
21	1·2046	1·0247
May 1	1·1507	1·1265
11	1·0750	1·1982
21	0·9684	1·2486
31	0·8101	1·2826
June 10	0·5373	1·3026
20	−9·5375	1·3100
30	+0·4413	1·3053
July 10	0·7629	1·2882
20	0·9378	1·2578
30	1·0532	1·2118
Aug. 9	1·1345	1·1463
19	1·1927	1·0542
29	1·2332	0·9201
Sept. 8	1·2588	0·7041
18	1·2712	−0·2139
28	1·2708	+0·2679
Oct. 8	1·2574	0·7248
18	1·2299	0·9357
28	1·1862	1·0682
Nov. 7	1·1222	1·1594
17	1·0306	1·2237
27	0·8958	1·2679
Dec. 7	0·6766	1·2956
17	+0·1683	1·3087
27	−0·2679	1·3079
37	−0·7050	+1·2935

* In *leap years*, we must deduct unity from all these tabular dates after February, in order to obtain the corresponding civil date.

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TABLE V.

For computing the values of C′ and D′ in any fictitious year. See page 31.

(Adapted to *mean solar* time.)

Argument.		C′ = $t - \cdot025 \sin 2\odot$	D′ = $-\cdot545 \cos 2\odot$
Jan.	1	+0·00935	+0″·50479
	11	·04418	·40190
	21	·07691	·24887
	31	·10686	+ ·06514
Feb.	10	·13374	− ·12611
	20	·15764	·30115
Mar.	2*	·17903	·43870
	12	·19867	·52262
	22	·21751	·54368
April	1	·23657	·50041
	11	·25683	·39895
	21	·27909	·25196
May	1	·30389	− ·07696
	11	·33150	+ ·10593
	21	·36184	·27619
	31	·39456	·41512
June	10	·42904	·50777
	20	·46451	·54432
	30	·50007	·52107
July	10	·53483	·44064
	20	·56799	·31174
	30	·59947	+ ·14831
Aug.	9	·62718	− ·03197
	19	·65269	·20926
	29	·67561	·36378
Sept.	8	·69642	·47778
	18	·71582	·53769
	28	·73472	·53573
Oct.	8	·75410	·47109
	18	·77491	·35035
	28	·79797	·18704
Nov.	7	·82383	− ·00028
	17	·85273	+ ·18736
	27	·88451	·35267
Dec.	7	·91866	·47478
	17	·95435	·53799
	27	0·99054	·53399
	37	+1·02611	+0·46310

* In *leap years*, we must deduct unity from all these tabular dates after February, in order to obtain the corresponding civil date.

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TABLE VI.

For computing the values of C″ and D″ in any fictitious year. See page 32.

Argument ☊	C″= −·343 sin ☊ +·004 sin 2 ☊	D″= −9″·250 cos ☊ +·090 cos 2 ☊	Argument ☊
0°	−0·00000+	−9″·16000−	360°
5	·02923	9·12617	355
10	·05825	9·02490	350
15	·08686	8·85687	345
20	·11486	8·62321	340
25	·14205	8·32549	335
30	·16822	7·96573	330
35	·19320	7·54637	325
40	·21680	7·07028	320
45	·23884	6·54074	315
50	·25915	5·96141	310
55	·27759	5·33636	305
60	·29400	4·67000	300
65	·30825	3·96707	295
70	·32024	3·23263	290
75	·32984	2·47202	285
80	·33698	1·69081	280
85	·34159	0·89482	275
90	·34362	−0·09000−	270
95	·34303	+0·71756+	265
100	·33982	1·52167	260
105	·33398	2·31613	255
110	·32556	3·09474	250
115	·31460	3·85137	245
120	·30117	4·58000	240
125	·28537	5·27480	235
130	·26730	5·93016	230
135	·24712	6·54074	225
140	·22495	7·10154	220
145	·20098	7·60794	215
150	·17539	8·05573	210
155	·14839	8·44120	205
160	·12019	8·76110	200
165	·09100	9·01276	195
170	·06108	9·19404	190
175	·03067	9·30343	185
180	−0·00000+	+9·34000+	180

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TABLE VII.

Proportional Parts.

Log.	0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
·00	1000	1002	1005	1007	1009	1012	1014	1016	1019	1021	0	0	1	1	1	1	2	2	2
·01	1023	1026	1028	1030	1033	1035	1038	1040	1042	1045	0	0	1	1	1	1	2	2	2
·02	1047	1050	1052	1054	1057	1059	1062	1064	1067	1069	0	1	1	1	1	2	2		
·03	1072	1074	1076	1079	1081	1084	1086	1089	1091	1094	0	1	1	1	1	2	2		
·04	1096	1099	1102	1104	1107	1109	1112	1114	1117	1119	0	1	1	1	1	2	2	2	2
·05	1122	1125	1127	1130	1132	1135	1138	1140	1143	1146	0	1	1	1	1	2	2	2	2
·06	1148	1151	1153	1156	1159	1161	1164	1167	1169	1172	0	1	1	1	1	2	2	2	2
·07	1175	1178	1180	1183	1186	1189	1191	1194	1197	1199	0	1	1	1	1	2	2	2	2
·08	1202	1205	1208	1211	1213	1216	1219	1222	1225	1227	0	1	1	1	1	2	2	2	3
·09	1230	1233	1236	1239	1242	1245	1247	1250	1253	1256	0	1	1	1	1	2	2	2	3
·10	1259	1262	1265	1268	1271	1274	1276	1279	1282	1285	0	1	1	1	1	2	2	2	3
·11	1288	1291	1294	1297	1300	1303	1306	1309	1312	1315	0	1	1	1	2	2	2	2	3
·12	1318	1321	1324	1327	1330	1334	1337	1340	1343	1346	0	1	1	1	2	2	2	2	3
·13	1349	1352	1355	1358	1361	1365	1368	1371	1374	1377	0	1	1	1	2	2	2	2	3
·14	1380	1384	1387	1390	1393	1396	1400	1403	1406	1409	0	1	1	1	2	2	2	3	3
·15	1413	1416	1419	1422	1426	1429	1432	1435	1439	1442	0	1	1	1	2	2	2	3	3
·16	1445	1449	1452	1455	1459	1462	1466	1469	1472	1476	0	1	1	1	2	2	2	3	3
·17	1479	1483	1486	1489	1493	1496	1500	1503	1507	1510	0	1	1	1	2	2	2	3	3
·18	1514	1517	1521	1524	1528	1531	1535	1538	1542	1545	0	1	1	1	2	2	2	3	3
·19	1549	1552	1556	1560	1563	1567	1570	1574	1578	1581	0	1	1	1	2	2	3	3	3
·20	1585	1588	1592	1596	1600	1603	1607	1611	1614	1618	0	1	1	1	2	2	3	3	3
·21	1622	1626	1629	1633	1637	1641	1644	1648	1652	1656	0	1	1	2	2	2	3	3	3
·22	1660	1663	1667	1671	1675	1679	1683	1687	1690	1694	0	1	1	2	2	2	3	3	3
·23	1698	1702	1706	1710	1714	1718	1722	1726	1730	1734	0	1	1	2	2	2	3	3	4
·24	1738	1742	1746	1750	1754	1758	1762	1766	1770	1774	0	1	1	2	2	2	3	3	4
·25	1778	1782	1786	1791	1795	1799	1803	1807	1811	1815	0	1	1	2	2	3	3	3	4
·26	1820	1824	1828	1832	1837	1841	1845	1849	1854	1858	0	1	1	2	2	3	3	3	4
·27	1862	1866	1871	1875	1879	1884	1888	1892	1897	1901	0	1	1	2	2	3	3	3	4
·28	1905	1910	1914	1919	1923	1928	1932	1936	1941	1945	0	1	1	2	2	3	3	4	4
·29	1950	1954	1959	1963	1968	1972	1977	1982	1986	1991	0	1	1	2	2	3	3	4	4
·30	1995	2000	2004	2009	2014	2018	2023	2028	2032	2037	0	1	1	2	2	3	3	4	4
·31	2042	2046	2051	2056	2061	2065	2070	2075	2080	2085	0	1	1	2	2	3	3	4	4
·32	2089	2094	2099	2104	2109	2113	2118	2123	2128	2133	0	1	1	2	2	3	3	4	4
·33	2138	2143	2148	2153	2158	2163	2168	2173	2178	2183	1	1	2	2	3	3	4	4	5
·34	2188	2193	2198	2203	2208	2213	2218	2223	2228	2234	1	1	2	2	3	3	4	4	5
·35	2239	2244	2249	2254	2259	2265	2270	2275	2280	2286	1	1	2	2	3	3	4	4	5
·36	2291	2296	2301	2307	2312	2317	2323	2328	2333	2339	1	1	2	2	3	3	4	4	5
·37	2344	2350	2355	2360	2366	2371	2377	2382	2388	2393	1	1	2	2	3	3	4	4	5
·38	2399	2404	2410	2415	2421	2427	2432	2438	2443	2449	1	1	2	2	3	3	4	4	5
·39	2455	2460	2466	2472	2477	2483	2489	2495	2500	2506	1	1	2	2	3	3	4	5	5
·40	2512	2518	2523	2529	2535	2541	2547	2553	2559	2564	1	1	2	2	3	3	4	5	5
·41	2570	2576	2582	2588	2594	2600	2606	2612	2618	2624	1	1	2	2	3	4	4	5	5
·42	2630	2636	2642	2649	2655	2661	2667	2673	2679	2685	1	1	2	2	3	4	4	5	6
·43	2692	2698	2704	2710	2716	2723	2729	2735	2742	2748	1	1	2	2	3	4	4	5	6
·44	2754	2761	2767	2773	2780	2786	2793	2799	2805	2812	1	1	2	3	3	4	4	5	6
·45	2818	2825	2831	2838	2844	2851	2858	2864	2871	2877	1	1	2	3	3	4	5	5	6
·46	2884	2891	2897	2904	2911	2917	2924	2931	2938	2944	1	1	2	3	3	4	5	5	6
·47	2951	2958	2965	2972	2979	2985	2992	2999	3006	3013	1	1	2	3	3	4	5	6	6
·48	3020	3027	3034	3041	3048	3055	3062	3069	3076	3083	1	1	2	3	4	4	5	6	6
·49	3090	3097	3105	3112	3119	3126	3133	3141	3148	3155	1	1	2	3	4	4	5	6	6

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TABLE VII. continued.

Proportional Parts.

Log.	0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
·50	3162	3170	3177	3184	3192	3199	3206	3214	3221	3228	1	1	2	3	4	4	5	6	7
·51	3236	3243	3251	3258	3266	3273	3281	3289	3296	3304	1	2	2	3	4	5	5	6	7
·52	3311	3319	3327	3334	3342	3350	3357	3365	3373	3381	1	2	2	3	4	5	5	6	7
·53	3388	3396	3404	3412	3420	3428	3436	3443	3451	3459	1	2	2	3	4	5	6	6	7
·54	3467	3475	3483	3491	3499	3508	3516	3524	3532	3540	1	2	2	3	4	5	6	6	7
·55	3548	3556	3565	3573	3581	3589	3597	3606	3614	3622	1	2	2	3	4	5	6	7	7
·56	3631	3639	3648	3656	3664	3673	3681	3690	3698	3707	1	2	3	3	4	5	6	7	8
·57	3715	3724	3733	3741	3750	3758	3767	3776	3784	3793	1	2	3	3	4	5	6	7	8
·58	3802	3811	3819	3828	3837	3846	3855	3864	3873	3882	1	2	3	4	4	5	6	7	8
·59	3890	3899	3908	3917	3926	3936	3945	3954	3963	3972	1	2	3	4	5	5	6	7	8
·60	3981	3990	3999	4009	4018	4027	4036	4046	4055	4064	1	2	3	4	5	6	7	7	8
·61	4074	4083	4093	4102	4111	4121	4130	4140	4150	4159	1	2	3	4	5	6	7	8	9
·62	4169	4178	4188	4198	4207	4217	4227	4236	4246	4256	1	2	3	4	5	6	7	8	9
·63	4266	4276	4285	4295	4305	4315	4325	4335	4345	4355	1	2	3	4	5	6	7	8	9
·64	4365	4375	4385	4395	4406	4416	4426	4436	4446	4457	1	2	3	4	5	6	7	8	9
·65	4467	4477	4487	4498	4508	4519	4529	4539	4550	4560	1	2	3	4	5	6	7	8	9
·66	4571	4581	4592	4603	4613	4624	4634	4645	4656	4667	1	2	3	4	5	6	7	8	10
·67	4677	4688	4699	4710	4721	4732	4742	4753	4764	4775	1	2	3	4	5	7	8	9	10
·68	4786	4797	4808	4819	4831	4842	4853	4864	4875	4887	1	2	3	4	6	7	8	9	10
·69	4898	4909	4920	4932	4943	4955	4966	4977	4989	5000	1	2	3	5	6	7	8	9	10
·70	5012	5023	5035	5047	5058	5070	5082	5093	5105	5117	1	2	4	5	6	7	8	9	11
·71	5129	5140	5152	5164	5176	5188	5200	5212	5224	5236	1	2	4	5	6	7	8	10	11
·72	5248	5260	5272	5284	5297	5309	5321	5333	5346	5358	1	2	4	5	6	7	9	10	11
·73	5370	5383	5395	5408	5420	5433	5445	5458	5470	5483	1	3	4	5	6	8	9	10	11
·74	5495	5508	5521	5534	5546	5559	5572	5585	5598	5610	1	3	4	5	6	8	9	10	12
·75	5623	5636	5649	5662	5675	5689	5702	5715	5728	5741	1	3	4	5	7	8	9	10	12
·76	5754	5768	5781	5794	5808	5821	5834	5848	5861	5875	1	3	4	5	7	8	9	11	12
·77	5888	5902	5916	5929	5943	5957	5970	5984	5998	6012	1	3	4	6	7	8	10	11	12
·78	6026	6039	6053	6067	6081	6095	6109	6124	6138	6152	1	3	4	6	7	8	10	11	13
·79	6166	6180	6194	6209	6223	6237	6252	6266	6281	6296	1	3	4	6	7	9	10	12	13
·80	6310	6324	6339	6353	6368	6383	6397	6412	6427	6442	1	3	4	6	7	9	10	12	13
·81	6457	6471	6486	6501	6516	6531	6546	6561	6577	6592	2	3	5	6	8	9	11	12	14
·82	6607	6622	6637	6653	6668	6683	6699	6714	6730	6745	2	3	5	6	8	9	11	12	14
·83	6761	6776	6792	6808	6823	6839	6855	6871	6887	6902	2	3	5	6	8	9	11	13	14
·84	6918	6934	6950	6966	6982	6998	7015	7031	7047	7063	2	3	5	6	8	10	11	13	14
·85	7079	7096	7112	7129	7145	7161	7178	7194	7211	7228	2	3	5	7	8	10	12	13	15
·86	7244	7261	7278	7295	7311	7328	7345	7362	7379	7396	2	3	5	7	8	10	12	14	15
·87	7413	7430	7447	7464	7482	7499	7516	7534	7551	7568	2	3	5	7	9	10	12	14	16
·88	7586	7603	7621	7638	7656	7674	7691	7709	7727	7745	2	4	5	7	9	11	12	14	16
·89	7762	7780	7798	7816	7834	7852	7870	7889	7907	7925	2	4	5	7	9	11	13	14	16
·90	7943	7962	7980	7998	8017	8035	8054	8072	8091	8110	2	4	6	7	9	11	13	15	17
·91	8128	8147	8166	8185	8203	8222	8241	8260	8279	8299	2	4	6	8	10	11	13	15	17
·92	8318	8337	8356	8375	8395	8414	8433	8453	8472	8492	2	4	6	8	10	12	14	15	17
·93	8511	8531	8551	8570	8590	8610	8630	8650	8670	8690	2	4	6	8	10	12	14	16	18
·94	8710	8730	8750	8770	8790	8810	8831	8851	8872	8892	2	4	6	8	10	12	14	16	18
·95	8913	8933	8954	8974	8995	9016	9036	9057	9078	9099	2	4	6	8	10	12	14	17	19
·96	9120	9141	9162	9183	9204	9226	9247	9268	9290	9311	2	4	6	9	11	13	15	17	19
·97	9333	9354	9376	9397	9419	9441	9462	9484	9506	9528	2	4	7	9	11	13	15	17	20
·98	9550	9572	9594	9616	9638	9661	9683	9705	9727	9750	2	4	7	9	11	13	16	18	20
·99	9772	9795	9817	9840	9863	9886	9908	9931	9954	9977	2	5	7	9	11	14	16	18	21

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(*Here follows the Catalogue.*)

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CATALOGUE OF STARS

Reduced to Jan. 1, 1850.

For any other epoch $(1850 + y)$ we have (see page 39)

$$\alpha' = \alpha + \left(p + \mu + \frac{s}{100} \cdot \tfrac{1}{2} y\right) y$$

$$\Delta' = \Delta + \left(p' + \mu' + \frac{s'}{100} \cdot \tfrac{1}{2} y\right) y$$

And for the apparent place of the star (see page 27)

Correction in Æ. $= a\,\text{A} + b\,\text{B} + c\,\text{C} + d\,\text{D}$

Correction in N.P.D. $= a'\,\text{A} + b'\,\text{B} + c'\,\text{C} + d'\,\text{D}$

exclusive of the proper motion $= \mu \times t$.

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1	4 Ceti	7	0 0 3,06	+3,071	−0,0018	+0,002	+8.8247	+5.1730	+0.4872	−7.5955
2	Sculptoris.....	6	0 25,79	3,069	−0,0204	+0,003	8.9072	6.1805	0.4870	−8.6589
3	5 Ceti	7	0 31,11	3,070	−0,0017	−0,003	8.8246	6.1795	0.4872	−7.5824
4	21 Andromedæ.... α	1	0 38,55	3,073	+0,0161	+0,013	8.8790	6.3273	0.4875	+8.5544
5	Ceti	7	1 2,01	3,070	−0,0015	+0,006	8.8245	6.4786	0.4872	−7.5515
6	Cephei	7½	1 10,87	3,106	+0,1554	+0,057	9.5386	7.2508	0.4922	+9.5304
7	11 Cassiopeæ .... β	2½	1 12,07	3,082	+0,0488	+0,067	9.1036	6.8230	0.4888	+9.0336
8	87 Pegasi	6	1 18,52	3,073	+0,0095	+0,012	8.8442	6.6009	0.4876	+8.3194
9*	Phœnicis	6	1 27,58	3,059	−0,0420	+0,004	9.0636	6.8678	0.4855	−8.9761
10	Sculptoris.....	6	1 41,91	3,065	−0,0163	+0,013	8.8813	6.7513	0.4864	−8.5645
11	Phœnicis ..... ε	4	1 47,34	3,060	−0,0312	+0,029	8.9867	6.8791	0.4857	−8.8478
12	Ceti	7	2 14,10	3,070	−0,0017	−0,009	8.8247	6.8139	0.4871	−7.5972
13	Andromedæ	6	2 16,57	3,084	+0,0309	.....	8.9787	6.9758	0.4891	+8.8323
14	34 Piscium	6	2 19,95	3,073	+0,0055	+0,004	8.8310	6.8386	0.4876	+8.0837
15*	Tucanæ.....	6	2 28,23	3,042	−0,0577	.....	9.1690	7.2017	0.4832	−9.1194
16	22 Andromedæ	5	2 32,59	3,086	+0,0306	+0,007	8.9762	7.0214	0.4893	+8.8275
17	Ceti	6½	2 38,16	3,069	−0,0030	+0,007	8.8263	6.8870	0.4870	−7.8515
18*	Cassiopeæ.....	7	2 43,73	3,097	+0,0504	.....	9.1100	7.1858	0.4909	+9.0423
19	Octantis..... γ^3	5	3 6,19	2,922	−0,2212	−0,102	9.7416	7.8733	0.4657	−9.7385
20	Octantis	6	3 14,82	3,004	−0,0998	+0,019	9.3850	7.5363	0.4777	−9.3680
21	6 Ceti	6	3 37,63	3,064	−0,0085	−0,004	8.8417	7.0412	0.4864	−8.2896
22	Phœnicis	7	3 41,65	3,052	−0,0256	.....	8.9475	7.1549	0.4845	−8.7662
23	Sculptoris.....	5½	3 56,81	3,058	−0,0159	+0,001	8.8805	7.1166	0.4854	−8.5611
24	Sculptoris..... θ	5½	4 6,29	3,053	−0,0211	+0,017	8.9157	7.1689	0.4848	−8.6847
25*	Phœnicis	6	4 23,19	3,047	−0,0271	.....	8.9597	7.2417	0.4838	−8.7935
26	88 Pegasi ..... γ	2	5 31,01	3,079	+0,0080	+0,005	8.8375	7.2192	0.4884	+8.2317
27*	Sculptoris.....	6	5 39,72	3,044	−0,0232	+0,007	8.9312	7.3241	0.4835	−8.7268
28*	23 Andromedæ	6	5 44,44	3,099	+0,0261	−0,008	8.9408	7.3397	0.4912	+8.7508
29	Octantis	7	6 5,31	2,618	−0,2679	.....	9.9306	8.3551	0.4179	−9.9293
30*	Phœnicis	6	6 24,71	3,011	−0,0452	+0,002	9.0976	7.5445	0.4787	−9.0252
31	Phœnicis	6	6 46,75	3,012	−0,0420	+0,006	9.0751	7.5462	0.4789	−8.9932
32	89 Pegasi ..... χ	6	6 50,80	3,085	+0,0109	+0,008	8.8490	7.3245	0.4892	+8.3698
33	7 Ceti	5½	7 1,32	3,056	−0,0103	+0,005	8.8501	7.3365	0.4851	−8.3792
34	Phœnicis	6	7 13,40	3,026	−0,0305	+0,011	8.9888	7.4875	0.4808	−8.8520
35	Ceti	6	7 14,83	3,063	−0,0051	.....	8.8309	7.3310	0.4861	−8.0875
36	35 Piscium	6	7 15,41	3,077	+0,0046	+0,007	8.8279	7.3286	0.4881	+7.9708
37*	Sculptoris.....	6	7 23,70	3,040	−0,0206	+0,030	8.9143	7.4232	0.4828	−8.6807
38	Sculptoris.....	7	7 41,58	3,032	−0,0247	−0,004	8.9454	7.4715	0.4817	−8.7617
39*	Cephei	6	7 48,70	3,255	+0,1357	.....	9.4435	7.9763	0.5125	+9.4306
40*	Octantis	6	7 55,43	2,436	−0,2399	.....	9.9625	8.5015	0.3867	−9.9614
41	Sculptoris.....	7	7 56,40	3,030	−0,0250	−0,012	8.9477	7.4876	0.4814	−8.7671
42*	Piscium	....	8 15,41	3,074	+0,0023	.....	8.8244	7.3812	0.4876	+7.5998
43	Sculptoris.....	6	8 33,51	3,039	−0,0180	+0,015	8.8965	7.4690	0.4827	−8.6241
44	36 Piscium	6½	8 51,84	3,077	+0,0044	0,000	8.8272	7.4149	0.4882	+7.9376
45	Octantis	5½	0 8 52,96	+2,851	−0,1080	−0,143	+9.4633	+8.0518	+0.4549	−9.4516

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
1	93 22 57,4	−20,06	+0,000	−0,08	−9.6367	+8.7709	−1.3022	+6.3483	3213	278	ii.2879			
2	124 21 56,9	20,06	0,001	+0,16	9.5555	+9.7516	1.3022	7.2733	....	279	v.3455	9735	7383	
3	93 16 53,5	20,06	0,001	−0,06	9.6369	+8.7577	1.3022	7.3549	3214	280	ii.2880			
4	61 44 14,4	20,06	0,001	+0,13	9.5808	−9.6753	1.3022	7.4483	3215	281	ii.2881	....	7384	M 997
5	93 3 24,6	20,06	0,002	−0,01	9.6370	+8.7270	1.3022	7.6541	....	282	ii. 1			
6	11 7 13,2	20,06	0,002	+0,08	8.8954	−9.9918	1.3022	7.7121	3217	....	.....	....	....	G 4241
7	31 40 38,4	20,06	0,002	+0,17	9.3491	−9.9299	1.3022	7.7194	3216	283	ii. 2			
8	72 37 15,8	20,06	0,003	−0,02	9.6154	−9.4752	1.3022	7.7567	3218	284	ii. 3			
9	144 50 22,3	20,06	0,003	+0,20	9.4067	+9.9125	1.3022	7.8042	....	....	v. 1	9740	1	
10	118 49 17,2	20,06	0,003	−0,10	9.5841	+9.6831	1.3022	7.8700	....	285	ii. 4	9741	2	
11	136 34 24,7	20,06	0,004	+0,02	9.4829	+9.8611	1.3022	7.8924	....	....	ii. 5	9742	3	R 1, J 1
12	93 23 44,0	20,05	0,004	+0,09	9.6373	+8.7725	1.3022	7.9892	....	286	ii. 6	....	....	M 998
13	44 26 38,6	20,05	0,005	.....	9.4725	−9.8536	1.3022	7.9971	....	....	.....	....	....	G 1
14	79 41 25,9	20,05	0,005	+0,05	9.6286	−9.2528	1.3022	8.0076	3219	287	ii. 7			
15	153 8 32,0	20,05	0,005	.....	9.3132	+9.9504	1.3022	8.0327	....	....	.....	9749		
16	44 45 47,1	20,05	0,005	0,00	9.4738	−9.8512	1.3022	8.0452	3220	288	ii. 8			
17	96 4 55,6	20,05	0,005	+0,02	9.6362	+9.0251	1.3022	8.0607	....	1	iii. 1			
18	31 9 42,1	20,05	0,005	+0,03	9.3312	−9.9323	1.3022	8.0758	3221	....	.....	....	....	B 1
19	173 3 32,9	20,05	0,006	+0,16	8.8182	+9.9968	1.3022	8.1316	....	....	ii. 10	9756	5	J 2, R 2
20	164 3 23,7	20,05	0,006	−0,48	9.1232	+9.9829	1.3022	8.1512	....	....	.....	9755	6	
21	106 17 27,4	20,05	0,007	+0,22	9.6242	+9.4479	1.3022	8.1994	3222	5	ii. 11			
22	131 12 28,8	20,05	0,007	.....	9.5278	+9.8187	1.3022	8.2074	....	....	.....	9757	....	R 3
23	118 38 5,4	20,05	0,008	−0,05	9.5902	+9.6805	1.3022	8.2360	....	6	ii. 12	9758	7	
24	125 58 21,8	20,05	0,008	−0,15	9.5584	+9.7689	1.3022	8.2531	....	7	v. 3	9760	8	
25	133 0 13,0	20,05	0,009	.....	9.5192	+9.8337	1.3021	8.2819	....	....	v. 4	....	9	
26	75 39 2,0	20,05	0,011	+0,01	9.6174	−9.3940	1.3021	8.3815	1	9	ii. 13	....	11	
27	128 39 22,5	20,05	0,011	−0,09	9.5494	+9.7955	1.3021	8.3928	....	11	iv. 7	6	12	
28	49 47 31,7	20,05	0,011	+0,08	9.4986	−9.8098	1.3021	8.3988	2	12	iii. 2			
29	175 30 57,3	20,05	0,010	.....	8.7810	+9.9985	1.3021	8.4243	....	....	.....	....	....	R 4
30	147 50 16,6	20,05	0,012	+0,24	9.4060	+9.9275	1.3021	8.4468	....	....	v. 7	11	14	
31	145 54 12,7	20,05	0,013	+0,19	9.4278	+9.9179	1.3020	8.4709	....	....	.....	13	15	R 5
32	70 37 39,5	20,05	0,013	−0,02	9.6015	−9.5206	1.3020	8.4752	3	14	ii. 14			
33	109 45 53,7	20,05	0,014	+0,08	9.6220	+9.5289	1.3020	8.4862	4	15	ii. 15			
34	136 51 59,3	20,05	0,014	−0,21	9.5047	+9.8630	1.3020	8.4985	....	....	.....	16	16	
35	100 24 8,6	20,05	0,014	.....	9.6360	+9.2564	1.3020	8.4999	....	....	.....	....	....	B.F 3310
36	82 0 45,3	20,05	0,014	+0,04	9.6288	−9.1427	1.3020	8.5005	5	16	ii. 16	....	....	M 2
37	125 44 12,1	20,04	0,014	−0,01	9.5696	+9.7662	1.3020	8.5087	....	20	v. 8	18	17	
38	130 55 26,4	20,04	0,015	−0,59	9.5439	+9.8160	1.3020	8.5259	....	....	.....	19	....	R 6
39	13 53 3,6	20,04	0,016	+0,05	8.8513	−9.9869	1.3020	8.5325	6	....	.....	....	....	G 29
40	175 50 5,8	20,04	0,012	+0,74	8.8195	+9.9986	1.3020	8.5387	....	....	.....	23	18	
41	131 16 58,0	20,04	0,015	−0,31	9.5428	+9.8191	1.3020	8.5396	....	....	.....	20	....	R 7
42	86 34 55,5	20,04	0,016	.....	9.6346	−8.7751	1.3019	8.5565	....	....	.....	....	....	B.F 4
43	122 16 45,7	20,04	0,017	+0,02	9.5875	+9.7273	1.3019	8.5721	....	23	iv. 14	22	19	
44	82 35 32,7	20,04	0,017	−0,02	9.6287	−9.1100	1.3019	8.5874	7	24	ii. 17	....	....	M 3
45	166 44 49,9	−20,04	+0,016	+0,24	−9.1374	+9.9880	−1.3019	+8.5882	....	....	.....	30	20	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
46	Cassiopeæ.....	6	0 8 56,23	+3,164	+0,0569	+0,019	+9.1339	+7.7251	+0.5002	+9.0745
47	Piscium	7½	8 58,03	3,072	+0,0010	−0,011	8.8237	7.4163	0.4874	+7.0723
48*	37 Piscium	7	9 2,03	3,083	+0,0075	+0,005	8.8350	7.4309	0.4889	+8.1898
49*	Sculptoris.....	6½	9 9,07	3,035	−0,0188	−0,007	8.9026	7.5041	0.4822	−8.6447
50	Tucanæ.....	6	9 14,20	2,912	−0,0781	−0,044	9.3160	7.9215	0.4642	−9.2922
51	Andromedæ	6	9 15,08	3,129	+0,0338	.....	8.9907	7.5970	0.4954	+8.8556
52	24 Andromedæ .... θ	5	9 16,17	3,113	+0,0243	−0,002	8.9261	7.5333	0.4931	+8.7140
53	38 Piscium	7½	9 41,13	3,079	+0,0048	+0,005	8.8278	7.4540	0.4884	+7.9735
54	Cassiopeæ.....	6	9 47,06	3,140	+0,0385	.....	9.0209	7.6515	0.4969	+8.9089
55	39 Piscium	7½	10 3,51	3,087	+0,0089	+0,021	8.8396	7.4822	0.4895	+8.2664
56	Octantis	5½	10 5,06	2,750	−0,1281	−0,027	9.5675	8.2113	0.4393	−9.5604
57*	Piscium	6½	10 5,37	3,072	+0,0010	−0,005	8.8235	7.4675	0.4874	+6.9971
58	25 Andromedæ.... σ	5½	10 30,41	3,115	+0,0228	−0,001	8.9152	7.5768	0.4935	+8.6840
59*	Sculptoris.....	6	10 47,50	3,023	−0,0214	+0,010	8.9231	7.5963	0.4804	−8.7060
60	26 Andromedæ	6½	10 48,82	3,129	+0,0294	+0,005	8.9590	7.6331	0.4955	+8.7924
61	Phœnicis	6	11 13,46	3,007	−0,0271	+0,001	8.9670	7.6573	0.4782	−8.8093
62	8 Ceti ..... ι	4	11 47,18	3,059	−0,0044	+0,001	8.8295	7.5411	0.4856	−8.0542
63	40 Piscium	6	12 11,47	3,090	+0,0090	0,000	8.8392	7.5655	0.4900	+8.2639
64	Tucanæ..... ζ	5	12 11,93	2,913	−0,0587	+0,246	9.2099	7.9364	0.4643	−9.1698
65	Cassiopeæ.....	6	12 35,45	3,203	+0,0592	.....	9.1383	7.8786	0.5056	+9.0803
66	41 Piscium ..... d	5½	12 53,09	3,080	+0,0046	+0,005	8.8268	7.5772	0.4886	+7.9342
67	27 Andromedæ.... ρ	5½	13 14,03	3,129	+0,0242	+0,008	8.9216	7.6836	0.4954	+8.7025
68*	Cassiopeæ.....	7	13 25,31	3,255	+0,0794	.....	9.2311	7.9993	0.5125	+9.1951
69*	Sculptoris.....	6½	13 26,13	3,005	−0,0232	−0,018	8.9394	7.7079	0.4778	−8.7481
70	Tucanæ ..... π	4½	13 41,72	+2,846	−0,0709	−0,012	9.2988	8.0757	+0.4542	−9.2730
71*	Octantis ..... o	6½	13 47,83	−2,669	+5,8221	.....	0.6765	9.4567	−0.4263	−0.6765
72	Sculptoris..... ι	5	13 58,54	+3,024	−0,0157	+0,001	8.8848	7.6705	+0.4806	−8.5812
73	42 Piscium	6	14 40,39	3,090	+0,0076	+0,010	8.8337	7.6406	0.4899	+8.1741
74	Hydri	6	14 59,83	2,650	−0,1032	−0,041	9.5144	8.3308	0.4233	−9.5052
75	9 Ceti	6	15 10,41	3,050	−0,0060	+0,028	8.8343	7.6558	0.4843	−8.1878
76	Tucanæ.....	7	15 20,67	2,903	−0,0488	+0,001	9.1495	7.9759	0.4629	−9.0949
77	Sculptoris.....	6½	15 41,69	3,014	−0,0170	−0,003	8.8938	7.7301	0.4791	−8.6164
78	Andromedæ	5½	16 7,45	3,160	+0,0307	.....	8.9618	7.8098	0.4996	+8.7991
79	Cassiopeæ.....	5½	16 11,86	3,188	+0,0407	.....	9.0257	7.8757	0.5035	+8.9174
80	12 Cassiopeæ.....	5½	16 33,39	3,245	+0,0608	+0,005	9.1372	7.9968	0.5112	+9.0790
81	Ceti	6½	16 49,73	3,065	−0,0006	−0,013	8.8234	7.6900	0.4865	−7.5491
82	43 Piscium	6	16 52,61	3,094	+0,0082	+0,002	8.8349	7.7028	0.4906	+8.2026
83*	Cassiopeæ.....	6	17 0,60	3,199	+0,0426	.....	9.0355	7.9068	0.5050	+8.9333
84	Phœnicis	6	17 18,63	2,942	−0,0337	+0,033	9.0320	7.9110	0.4687	−8.9277
85	Tucanæ.....	Neb.	17 19,22	2,742	−0,0752	−0,038	9.3547	8.2339	0.4381	−9.3351
86	Cephei	6	17 38,71	3,611	+0,2124	+0,020	9.5507	8.4380	0.5576	+9.5430
87	44 Piscium	6	17 42,94	3,073	+0,0016	+0,002	8.8227	7.7117	0.4875	+7.1094
88	Hydri ..... β	3	17 47,38	2,580	−0,0951	+0,717	9.5083	8.3982	0.4116	−9.4989
89	45 Piscium	6	17 58,09	3,083	+0,0046	+0,003	8.8257	7.7209	0.4890	+7.9030
90	Phœnicis	7	0 18 10,08	+2,949	−0,0305	.....	+9.0059	+7.9060	+0.4696	−8.8840

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
46	29 18 2,4	−20,04	+0,018	+0,01	−9.2514	−9.9402	−1.3019	+8.5909	....	25	iv. 15	....	....	G 31
47	88 59 3,0	20,04	0,018	+0,08	9.6367	−8.2484	1.3019	8.5923	....	26	iv. 16	....	....	M 4, A 4
48	76 55 0,6	20,04	0,018	+0,04	9.6168	−9.3545	1.3019	8.5956	8	27	iii. 4			
49	123 31 12,4	20,04	0,018	+0,03	9.5841	+9.7418	1.3019	8.6012	....	....	v. 9	27	21	
50	161 13 40,2	20,04	0,017	−0,04	9.2499	+9.9759	1.3019	8.6052	....	....	.....	32	22	
51	42 53 9,1	20,04	0,018	.....	9.4244	−9.8646	1.3019	8.6059	....	....	.....	....	....	G 33
52	52 9 5,1	20,04	0,018	+0,01	9.5023	−9.7875	1.3019	8.6068	9	28	ii. 18			
53	81 57 37,3	20,04	0,019	−0,11	9.6272	−9.1453	1.3018	8.6258	10	30	iii. 5			
54	39 24 3,0	20,04	0,020	.....	9.3847	−9.8876	1.3018	8.6302	....	....	.....	....	....	G 35
55	74 30 5,6	20,04	0,020	0,00	9.6091	−9.4264	1.3018	8.6422	11	32	iii. 6			
56	169 36 48,7	20,04	0,018	+0,06	9.0846	+9.9924	1.3018	8.6433	....	....	.....	33	23	
57	89 8 44,1	20,04	0,020	+0,01	9.6367	−8.1731	1.3018	8.6436	....	33	ii. 19	....	....	M 5
58	54 2 47,9	20,03	0,021	+0,04	9.5111	−9.7683	1.3018	8.6611	12	35	iii. 7			
59	127 20 36,5	20,03	0,021	+0,11	9.5724	+9.7824	1.3017	8.6728	....	....	v. 10	34	24	
60	47 2 32,0	20,03	0,022	−0,02	9.4556	−9.8330	1.3017	8.6736	13	37	iii. 8			
61	134 4 9,6	20,03	0,022	+0,03	9.5390	+9.8418	1.3017	8.6898	....	40	iv. 23	38	25	
62	99 39 22,7	20,03	0,023	+0,05	9.6399	+9.2241	1.3017	8.7110	14	42	ii. 20	....	....	J 3
63	74 34 57,1	20,03	0,024	+0,02	9.6066	−9.4240	1.3016	8.7257	15	43	ii. 22			
64	155 45 26,9	20,03	0,023	−1,11	9.3555	+9.9593	1.3016	8.7259	....	....	ii. 21	40	26	J 4
65	28 57 12,7	20,03	0,026	.....	9.2098	−9.9414	1.3016	8.7397	....	....	.....	....	....	G 48
66	82 38 33,2	20,02	0,025	−0,05	9.6266	−9.1067	1.3015	8.7497	16	45	ii. 23	....	....	M 6
67	52 51 42,8	20,02	0,026	+0,02	9.4929	−9.7801	1.3015	8.7613	17	46	iii. 9			
68	23 0 31,8	20,02	0,028	−0,02	9.0633	−9.9633	1.3015	8.7674	18	....	.....	....	....	B 2
69	130 4 17,5	20,02	0,026	−0,04	9.5680	+9.8080	1.3015	8.7678	....	....	v. 11	50	27	R 9
70	160 27 31,9	20,02	+0,025	+0,14	9.3043	+9.9735	1.3014	8.7761	....	....	.....	53	29	
71	179 11 43,4	20,02	−0,023	+0,37	8.8215	+9.9992	1.3014	8.7794	....	....	.....	....	32	J 5, R 12
72	119 48 43,2	20,02	+0,027	+0,10	9.6094	+9.6957	1.3014	8.7849	....	50	ii. 24	54	31	
73	77 21 2,2	20,01	0,029	−0,04	9.6122	−9.3395	1.3013	8.8061	19	53	iii. 10			
74	168 15 25,9	20,01	0,025	−0,14	9.1827	+9.9899	1.3013	8.8155	....	....	.....	64	33	R 10
75	103 2 37,7	20,01	0,029	−0,10	9.6412	+9.3526	1.3013	8.8206	20	55	ii. 25			
76	151 52 7,5	20,01	0,028	+0,01	9.4210	+9.9444	1.3013	8.8254	....	....	.....	63	....	R 11
77	121 52 3,9	20,01	0,030	0,00	9.6071	+9.7216	1.3012	8.8352	....	57	v. 12	65	34	
78	46 34 0,2	20,01	0,032	.....	9.4262	−9.8362	1.3011	8.8469	....	....	.....	....	....	G 57
79	38 48 43,2	20,01	0,033	.....	9.3365	−9.8906	1.3011	8.8489	....	....	.....	....	....	G 58
80	29 0 3,0	20,00	0,034	−0,01	9.1682	−9.9407	1.3011	8.8584	21	58	iii. 11			
81	93 2 53,9	20,00	0,033	+0,10	9.6408	+8.7246	1.3011	8.8655	....	60	ii. 26	....	....	B.F 17
82	76 30 57,6	20,00	0,033	−0,02	9.6072	−9.3665	1.3010	8.8667	22	61	iii. 12			
83	37 47 7,5	20,00	0,035	+0,03	9.3166	−9.8966	1.3010	8.8701	23	....	.....	....	....	G 61
84	141 51 43,9	20,00	0,032	−0,20	9.5151	+9.8945	1.3010	8.8777	....	....	v. 13	75	35	
85	162 55 6,9	20,00	0,030	+0,52	9.3004	+9.9792	1.3010	8.8780	....	....	.....	80	38	
86	10 46 45,6	20,00	0,041	+0,01	7.7482	−9.9910	1.3009	8.8860	24	....	.....	....	....	Airy (G)
87	88 53 28,2	20,00	0,035	0,00	9.6359	−8.2854	1.3009	8.8877	25	64	ii. 28	....	....	M 8
88	168 6 4,4	20,00	0,029	−0,26	9.2180	+9.9893	1.3009	8.8886	....	....	ii. 27	74	40	J 6, R 13
89	83 8 17,8	19,99	0,035	+0,05	9.6248	−9.0759	1.3009	8.8939	26	65	ii. 29			
90	139 2 19,4	−19,99	+0,034	.....	−9.5369	+9.8767	−1.3009	+8.8987	....	....	.....	....	....	R 14

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
91*	Piscium	7	0 18 16,08	+3,108	+0,0118	+0,003	+8.8477	+7.7501	+0.4925	+8.3672
92	Cassiopeæ.....	7	18 28,31	3,229	+0,0494	.....	9.0728	7.9801	0.5091	+8.9904
93	Phœnicis x	4	18 49,23	2,963	−0,0261	+0,031	8.9693	7.8847	0.4717	−8.8151
94	Phœnicis ..... α	2	18 51,42	2,968	−0,0249	+0,015	8.9592	7.8754	0.4724	−8.7939
95	10 Ceti	6	18 55,92	3,069	+0,0006	+0,008	8.8225	7.7405	0.4870	−7.0092
96	Ceti	7	19 26,49	3,059	−0,0019	+0,007	8.8246	7.7542	0.4856	−7.8317
97	Piscium	7½	19 38,48	3,075	+0,0021	−0,011	8.8225	7.7566	0.4878	+7.3618
98*	Piscium	7	19 43,45	3,102	+0,0094	+0,010	8.8378	7.7737	0.4916	+8.2563
99	46 Piscium	6½	20 10,44	3,110	+0,0115	−0,001	8.8457	7.7915	0.4928	+8.3514
100*	Andromedæ	5½	20 10,85	3,182	+0,0315	+0,003	8.9621	7.9080	0.5028	+8.8005
101	47 Piscium	6	20 14,10	3,107	+0,0104	+0,011	8.8418	7.7888	0.4923	+8.3093
102	48 Piscium	6	20 25,59	3,104	+0,0096	+0,004	8.8385	7.7897	0.4919	+8.2685
103	Sculptoris.....	5	20 29,10	2,991	−0,0177	−0,002	8.9028	7.8552	0.4758	−8.6485
104	Sculptoris.....	6	21 2,37	2,965	−0,0226	+0,007	8.9426	7.9067	0.4720	−8.7573
105*	Cassiopeæ.....	6½	21 22,58	3,577	+0,1621	.....	9.4442	8.4152	0.5535	+9.4315
106	Phœnicis	6	21 26,97	2,914	−0,0322	−0,004	9.0266	7.9991	0.4645	−8.9193
107	Ceti	7	21 49,60	3,061	−0,0010	+0,004	8.8232	7.8033	0.4859	−7.6981
108	Sculptoris.....	5½	22 1,94	2,957	−0,0231	+0,007	8.9474	7.9316	0.4709	−8.7686
109	28 Andromedæ	6	22 13,00	3,142	+0,0184	+0,003	8.8797	7.8676	0.4972	+8.5643
110	11 Ceti	7½	22 14,03	3,066	+0,0003	+0,016	8.8221	7.8103	0.4866	−7.3526
111	Ceti	6	22 15,77	3,034	−0,0068	+0,018	8.8384	7.8271	0.4821	−8.2705
112	12 Ceti	6	22 23,10	3,060	−0,0012	+0,003	8.8234	7.8145	0.4857	−7.7448
113*	Piscium	7	22 25,90	3,080	+0,0034	.....	8.8229	7.8150	0.4885	+7.6699
114*	13 Cassiopeæ.....	6	22 50,87	3,365	+0,0797	+0,037	9.2072	8.2073	0.5270	+9.1669
115	Ceti	6	22 52,31	3,010	−0,0117	−0,005	8.8631	7.8637	0.4785	−8.4828
116	49 Piscium	7	23 0,05	3,107	+0,0096	−0,002	8.8372	7.8402	0.4923	+8.2560
117	Sculptoris.....	5½	23 7,55	2,950	−0,0232	−0,001	8.9491	7.9545	0.4699	−8.7726
118	Sculptoris.....	6	23 7,87	2,956	−0,0221	+0,006	8.9396	7.9451	0.4707	−8.7508
119	Phœnicis	5½	23 9,93	2,915	−0,0295	−0,004	9.0051	8.0113	0.4647	−8.8832
120*	Andromedæ	6	23 28,64	3,159	+0,0216	.....	8.8968	7.9088	0.4995	+8.6300
121	14 Cassiopeæ .... λ	5	23 31,35	3,257	+0,0467	+0,006	9.0492	8.0620	0.5128	+8.9555
122	Piscium	7	23 48,53	3,108	+0,0096	+0,002	8.8370	7.8551	0.4925	+8.2554
123	Cassiopeæ.....	7½	23 57,90	3,256	+0,0455	.....	9.0419	8.0629	0.5126	+8.9442
124	Phœnicis ..... λ	5	24 9,91	2,905	−0,0298	+0,001	9.0101	8.0348	0.4632	−8.8921
125*	Cassiopeæ.....	7	24 25,98	3,465	+0,1047	.....	9.2906	8.3200	0.5397	+9.2640
126	15 Cassiopeæ..... x	4	24 30,79	3,340	+0,0673	+0,004	9.1513	8.1822	0.5238	+9.0976
127	Tucanæ ..... β^1	4	24 38,29	2,779	−0,0475	−0,009	9.1763	8.2094	0.4439	−9.1291
128	Tucanæ ..... β^2	4	24 39,13	2,779	−0,0475	−0,006	9.1763	8.2097	0.4439	−9.1292
129	51 Piscium	6½	24 39,64	3,086	+0,0046	+0,003	8.8239	7.8574	0.4894	+7.8522
130	52 Piscium	6	24 44,11	3,122	+0,0123	+0,012	8.8470	7.8818	0.4944	+8.3698
131	16 Cassiopeæ.....	5½	25 43,47	3,406	+0,0823	+0,010	9.2105	8.2625	0.5322	+9.1710
132	Ceti	8	25 48,76	3,067	+0,0008	−0,008	8.8213	7.8748	0.4867	−7.2204
133*	Piscium	8	25 49,29	3,124	+0,0124	.....	8.8471	7.9007	0.4947	+8.3729
134	Tucanæ.....	5	25 51,93	2,764	−0,0469	−0,013	9.1771	8.2315	0.4415	−9.1303
135	Sculptoris.....	5½	0 26 15,51	+2,981	−0,0149	−0,005	+8.8852	+7.9462	+0.4744	−8.5892

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
91	70 41 7,7	−19,99	+0,036	+0,09	−9.5834	−9.5181	−1.3008	+8.9010	27	66	iv. 38	....	....	B.F 20
92	34 11 23,8	19,99	0,038	−0,04	9.2487	−9.9162	1.3008	8.9059	28	....	.....	....	....	Airy (G)
93	134 30 50,8	19,99	0,035	+0,20	9.5647	+9.8443	1.3008	8.9140	....	68	ii. 30	89	43	J 7
94	133 7 11,7	19,99	0,036	+0,30	9.5717	+9.8333	1.3008	8.9148	....	69	ii. 31	87	44	J 8
95	90 52 51,3	19,99	0,037	0,00	9.6387	+8.1853	1.3007	8.9165	29	70	ii. 32	....	....	M 9
96	95 50 4.4	19,98	0,038	+0,13	9.6438	+9.0056	1.3007	8.9280	....	72	iv. 40			
97	88 0 58,5	19,98	0,038	+0,06	9.6342	−8.5377	1.3006	8.9325	....	73	iv. 41	....	....	M 10
98	74 48 14,8	19,98	0,039	−0,09	9.5980	−9.4169	1.3006	8.9343	30	....	.....	....	....	L 200
99	71 18 56,1	19,98	0,040	−0,01	9.5831	−9.5040	1.3005	8.9441	31	75	iii. 14			
100	46 26 7,4	19,98	0,041	+0,01	9.4047	−9.8366	1.3005	8.9442	....	74	iii. 13	....	....	B.H 45
101	72 56 12,2	19,98	0,040	−0,11	9.5900	−9.4658	1.3005	8.9454	32	76	ii. 33			
102	74 23 5,6	19,98	0,040	−0,01	9.5954	−9.4283	1.3005	8.9494	33	77	ii. 34			
103	123 50 5,0	19,98	0,039	−0,04	9.6130	+9.7440	1.3005	8.9507	....	79	v. 14	94	45	
104	130 44 39,1	19,97	0,040	+0,04	9.5895	+9.8129	1.3004	8.9623	....	81	v. 15	99	46	
105	13 48 32,4	19,97	0,049	+0,01	8.1206	−9.9854	1.3003	8.9691	34	....	.....	....	....	Airy (G)
106	141 21 43,2	19,97	0,040	−0,15	9.5366	+9.8908	1.3003	8.9706	....	....	v. 17	101	49	
107	94 18 0,8	19,96	0,043	+0,07	9.6433	+8.8730	1.3003	8.9782	....	83	iv. 45			
108	131 29 41,3	19,96	0,041	−0,02	9.5895	+9.8192	1.3002	8.9822	....	84	v. 19	104	52	
109	61 4 31,7	19,96	0,044	+0,03	9.5224	−9.6825	1.3002	8.9858	35	86	ii. 35			
110	91 56 39,1	19,96	0,043	+0,02	9.6405	+8.5285	1.3002	8.9862	36	87	iii. 17			
111	105 41 33,7	19,96	0,043	+0,01	9.6474	+9.4301	1.3002	8.9867	....	88	ii. 36			
112	94 47 14,1	19,96	0,044	+0,01	9.6440	+8.9194	1.3002	8.9891	38	89	ii. 37	....	....	M 11
113	85 58 7,7	19,96	0,044	.....	9.6294	−8.8449	1.3001	8.9900	....	....	.....	....	....	B.F 30
114	24 18 36,5	19,96	0,049	+0,01	8.9445	−9.9575	1.3001	8.9979	37	90	iii. 18			
115	114 37 8,8	19,96	0,044	+0,06	9.6395	+9.6175	1.3001	8.9984	....	91	ii. 38	106		
116	74 47 33,4	19,95	0,045	0,00	9.5938	−9.4166	1.3000	9.0008	39	92	iii. 19			
117	131 46 9,0	19,95	0,043	−0,10	9.5920	+9.8214	1.3000	9.0032	....	94	iv. 49	109		
118	130 20 37,1	19,95	0,043	−0,30	9.5977	+9.8089	1.3000	9.0033	....	....	v. 21	108	55	
119	139 2 31,3	19,95	0,043	+0,36	9.5572	+9.8758	1.3000	9.0039	....	....	v. 22	110	56	
120	57 15 0,6	19,95	0,047	.....	9.4909	−9.7309	1.2999	9.0097	....	....	.....	....	....	B.F 34
121	36 18 22,7	19,95	0,049	−0,02	9.2416	−9.9040	1.2999	9.0105	40	95	ii. 39			
122	74 48 27,4	19,95	0,047	+0,05	9.5928	−9.4161	1.2999	9.0158	41	97	iv. 51			
123	37 0 48,9	19,95	0,050	.....	9.2502	−9.8999	1.2998	9.0186	....	....	.....	....	....	G 80
124	139 38 2,8	19,94	0,045	0,00	9.5579	+9.8795	1.2998	9.0222	....	....	ii. 40	115	57	J 9, R 15
125	19 50 47,8	19,94	0,054	−0,02	8.6739	−9.9709	1.2998	9.0270	42	....	.....	....	....	G 81
126	27 53 47,9	19,94	0,052	−0,02	9.0358	−9.9439	1.2997	9.0284	43	99	ii. 41			
127	153 47 9,2	19,94	0,044	+0,07	9.4594	+9.9504	1.2997	9.0306	....	....	ii. 44	119	58	J 10, R 16
128	153 47 34,3	19,94	0,044	+0,05	9.4592	+9.9504	1.2997	9.0308	....	....	ii. 45	120	59	J 11, R 17
129	83 52 20,8	19,94	0,048	−0,07	9.6233	−9.0258	1.2997	9.0310	44	101	ii. 42	....	....	M 12
130	70 31 56,8	19,94	0,049	+0,03	9.5719	−9.5203	1.2997	9.0323	45	102	ii. 43			
131	24 4 38,9	19,93	0,056	−0,03	8.8733	−9.9577	1.2995	9.0493	46	105	iii. 20			
132	91 26 10,6	19,93	0,050	+0,12	9.6401	+8.3963	1.2995	9.0507	....	107	iv. 57	....	....	M 13
133	70 23 38,1	19,93	0,051	−0,08	9.5695	−9.5230	1.2995	9.0509	47	....	.....	....	....	B 4
134	153 51 36,8	19,93	0,045	+0,43	9.4658	+9.9504	1.2995	9.0516	....	....	ii. 46	123	61	J 12, R 18
135	120 23 7,9	−19,92	+0,050	+0,06	−9.6357	+9.7011	−1.2994	+9.0581	....	109	v. 23	125	62	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
136*	Sculptoris.....	6	0 26 22,78	+2,960	−0,0183	+0,010	+8.9120	+7.9750	+0.4713	−8.6792
137	Piscium	7	26 24,63	3,096	+0,0065	+0,009	8.8270	7.8905	0.4908	+8.0436
138	Ceti	7	26 50,35	3,056	−0,0013	+0,004	8.8228	7.8934	0.4851	−7.7945
139	Cassiopeæ.....	8	26 51,41	3,353	+0,0649	+0,002	9.1359	8.2067	0.5254	+9.0778
140	Tucanæ.....	5½	26 56,30	2,585	−0,0613	−0,060	9.3333	8.4055	0.4125	−9.3118
141	Phœnicis	6	27 2,33	2,923	−0,0237	−0,015	8.9586	8.0324	0.4658	−8.7945
142	Piscium	6½	27 9,07	3,106	+0,0083	+0,003	8.8314	7.9070	0.4922	+8.1683
143	Phœnicis	5	27 19,48	2,858	−0,0326	+0,043	9.0434	8.1218	0.4561	−8.9469
144*	Sculptoris.....	6	27 20,44	2,943	−0,0204	+0,004	8.9292	8.0079	0.4687	−8.7265
145	13 Ceti	6	27 31,66	3,058	−0,0007	+0,027	8.8221	7.9037	0.4855	−7.7089
146	Cassiopeæ.....	5½	27 49,05	3,288	+0,0470	+0,006	9.0447	8.1310	0.5169	+8.9490
147*	Ceti	6½	27 50,82	3,067	+0,0009	+0,009	8.8208	7.9076	0.4867	−7.1867
148	Cassiopeæ.....	6	27 57,77	3,347	+0,0609	.....	9.1152	8.2038	0.5247	+9.0505
149*	Piscium	6	28 9,57	3,107	+0,0083	.....	8.8309	7.9225	0.4923	+8.1624
150	Phœnicis	5½	28 31,33	2,881	−0,0281	−0,013	9.0021	8.0993	0.4595	−8.8787
151	Phœnicis	6	28 32,69	2,828	−0,0349	−0,002	9.0690	8.1666	0.4514	−8.9858
152	Andromedæ.....	5½	28 38,09	3,230	+0,0328	−0,003	8.9611	8.0601	0.5092	+8.8002
153	17 Cassiopeæ..... ζ	4	28 38,46	3,292	+0,0468	+0,007	9.0418	8.1408	0.5175	+8.9445
154	Cephei	6	28 39,72	4,209	+0,3536	−0,049	9.6592	8.7586	0.6242	+9.6546
155	29 Andromedæ.... π	4½	28 52,91	3,179	+0,0221	+0,004	8.8963	7.9991	0.5023	+8.6312
156	53 Piscium	6	28 58,83	3,114	+0,0094	+0,003	8.8343	7.9385	0.4933	+8.2301
157*	Tucanæ.....	6	29 9,06	2,770	−0,0405	+0,050	9.1288	8.2356	0.4425	−9.0687
158	Andromedæ.....	6	29 20,27	3,188	+0,0236	+0,009	8.9047	8.0144	0.5036	+8.6587
159	Tucanæ.....	6	29 34,29	2,530	−0,0586	.....	9.3389	8.4520	0.4030	−9.3180
160	Ceti	6	29 37,99	2,988	−0,0118	+0,103	8.8651	7.9792	0.4754	−8.5006
161	Piscium	7	29 47,34	3,078	+0,0029	+0,015	8.8206	7.9369	0.4882	+7.4262
162	Phœnicis	6	30 19,03	2,817	−0,0339	+0,025	9.0639	8.1880	0.4497	−8.9784
163	15 Ceti	6½	30 24,46	3,067	+0,0010	−0,004	8.8202	7.9456	0.4866	−7.1856
164	30 Andromedæ .... ε	4	30 38,47	3,167	+0,0188	−0,013	8.8761	8.0048	0.5007	+8.5547
165	Cassiopeæ.....	6	30 53,63	3,274	+0,0396	.....	8.9989	8.1313	0.5151	+8.8736
166	31 Andromedæ .... δ	3	31 18,99	3,176	+0,0200	+0,011	8.8825	8.0208	0.5019	+8.5820
167	Piscium	7	31 23,40	3,078	+0,0030	+0,059	8.8202	7.9595	0.4883	+7.4229
168	54 Piscium	6½	31 33,99	3,139	+0,0133	−0,032	8.8480	7.9898	0.4968	+8.3911
169	18 Cassiopeæ .... α	3	32 1,66	3,344	+0,0529	+0,010	9.0689	8.2170	0.5242	+8.9860
170	55 Piscium	6	32 2,24	3,141	+0,0134	+0,004	8.8484	7.9967	0.4970	+8.3950
171	Phœnicis	6	32 42,46	2,876	−0,0246	−0,022	8.9747	8.1322	0.4588	−8.8289
172	Tucanæ.....	6	32 48,97	2,407	−0,0566	−0,003	9.3779	8.5368	0.3815	−9.3607
173	32 Andromedæ.....	6	33 1,03	3,224	+0,0278	+0,012	8.9267	8.0882	0.5084	+8.7221
174	Ceti	6	33 4,02	3,053	−0,0008	−0,013	8.8211	7.9834	0.4848	−7.7764
175	Cassiopeæ.....	6	33 9,87	3,490	+0,0837	.....	9.1987	8.3623	0.5429	+9.1571
176*	Tucanæ.....	5	33 21,60	2,731	−0,0384	+0,074	9.1243	8.2904	0.4363	−9.0631
177*	Piscium	7	33 27,45	3,100	+0,0064	.....	8.8241	7.9915	0.4913	+7.9957
178	Andromedæ.....	5½	33 39,87	3,157	+0,0156	+0,033	8.8578	8.0280	0.4993	+8.4638
179	Sculptoris.....	6	33 42,61	2,898	−0,0212	+0,007	8.9438	8.1145	0.4621	−8.7638
180	19 Cassiopeæ..... ξ	5½	0 33 43,37	+3,302	+0,0419	+0,004	+9.0083	+8.1792	+0.5187	+8.89c6

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
136	125 48 20,7	−19,92	+0,050	+0,26	−9.6223	+9.7643	−1.2993	+9.0601	....	111	v. 24	127	63	
137	80 31 23,4	19,92	0,052	+0,21	9.6118	−9.2137	1.2993	9.0606	....	110	ii. 47	....	....	W 27
138	95 22 33,3	19,92	0,052	+0,11	9.6464	+8.9687	1.2992	9.0676	....	113	ii. 48	....	....	W 28
139	28 57 45,8	19,92	0,057	−0,02	9.0326	−9.9390	1.2992	9.0679	....	112	iv. 59	....	....	B.H 436
140	162 6 9,7	19,92	0,044	+1,29	9.3892	+9.9755	1.2992	9.0692	....	....	.....	139	66	
141	133 15 36,8	19,92	0,050	+0,03	9.5985	+9.8329	1.2992	9.0708	....	....	v. 26	133	65	
142	77 27 11,3	19,92	0,054	−0,03	9.5998	−9.3339	1.2992	9.0726	....	115	ii. 49	....	....	W 29
143	143 12 5,6	19,91	0,050	−0,04	9.5504	+9.9004	1.2991	9.0753	....	....	v. 27	137	67	
144	128 49 29,6	19,91	0,051	+0,07	9.6156	+9.7941	1.2991	9.0756	....	....	v. 28	136	68	
145	94 25 10,3	19,91	0,053	+0,03	9.6453	+8.8837	1.2991	9.0785	50	117	ii. 50			
146	36 39 29,6	19,91	0,058	−0,04	9.2095	−9.9011	1.2990	9.0831	49	118	iii. 23	....	....	G 98
147	91 19 49,8	19,91	0,054	+0,14	9.6401	+8.3627	1.2990	9.0835	51	120	ii. 51	....	....	M 14
148	30 30 2,0	19,91	0,059	.....	9.0622	−9.9321	1.2990	9.0853	....	....	.....	....	....	G 99
149	77 36 34,6	19,90	0,056	.....	9.5995	−9.3283	1.2989	9.0884	....	....	.....	....	....	B.F 40
150	138 49 24,8	19,90	0,052	+0,18	9.5788	+9.8732	1.2989	9.0939	....	....	v. 29	143	69	
151	145 38 51,7	19,90	0,051	+0,26	9.5410	+9.9134	1.2988	9.0942	....	....	v. 30	144	70	
152	46 20 23,0	19,90	0,059	−0,01	9.3579	−9.8357	1.2988	9.0956	....	124	iii. 25	....	....	B.H 46
153	36 55 45,4	19,90	0,060	−0,01	−9.2071	−9.8994	1.2988	9.0957	52	123	ii. 52			
154	8 20 10,4	19,90	0,077	−0,08	+8.7818	−9.9920	1.2988	9.0960	48	....	.....	....	....	G 100, A 11
155	57 6 25,3	19,90	0,058	−0,02	−9.4714	−9.7314	1.2988	9.0993	53	125	ii. 53			
156	75 35 37,9	19,90	0,057	−0,02	9.5898	−9.3924	1.2987	9.1008	54	126	iii. 26			
157	150 33 21,9	19,89	0,051	+1,42	9.5103	+9.9364	1.2987	9.1033	....	....	.....	146	71	
158	55 25 39,4	19,89	0,059	+0,04	9.4547	−9.7504	1.2987	9.1061	....	128	iv. 65	....	....	B.F 44
159	162 21 47,9	19,89	0,048	.....	9.4050	+9.9755	1.2986	9.1095	....	....	.....	....	73	W 33
160	115 35 40,3	19,89	0,056	+0,10	9.6504	+9.6318	1.2986	9.1104	....	130	ii. 55	147	72	
161	87 41 18,7	19,89	0,058	+0,11	9.6319	−8.6020	1.2985	9.1127	....	131	ii. 56	....	....	B.F 47
162	145 13 12,0	19,88	0,054	+0,07	9.5512	+9.9107	1.2984	9.1203	....	....	v. 31	152	77	
163	91 19 44,5	19,88	0,059	+0,02	9.6404	+8.3616	1.2984	9.1215	55	133	ii. 57	....	....	M 15
164	61 30 9,8	19,88	0,062	+0,21	9.5022	−9.6747	1.2983	9.1248	56	134	ii. 58			
165	41 28 13,6	19,87	0,064	.....	9.2711	−9.8707	1.2983	9.1284	....	....	.....	....	....	G 113
166	59 57 40,3	19,87	0,063	+0,11	9.4879	−9.6954	1.2982	9.1342	57	136	ii. 59			
167	87 42 14,4	19,87	0,061	−0,22	9.6316	−8.5987	1.2981	9.1353	....	137	iv. 68	....	....	B.F 51
168	69 33 34,6	19,87	0,063	+0,36	9.5546	−9.5390	1.2981	9.1377	58	138	iii. 28			
169	34 17 9,5	19,86	0,068	+0,03	9.1119	−9.9129	1.2980	9.1439	59	139	ii. 60			
170	69 23 6,3	19,86	0,064	+0,01	9.5528	−9.5424	1.2980	9.1441	60	141	ii. 61			
171	135 37 13,2	19,85	0,060	−0,34	9.6077	+9.8497	1.2978	9.1530	....	....	v. 33	166	79	
172	163 57 21,1	19,85	0,050	−0,85	9.4099	+9.9783	1.2978	9.1544	....	....	.....	173	80	
173	51 21 55,4	19,85	0,068	−0,02	9.3969	−9.7909	1.2977	9.1571	61	143	iii. 30			
174	95 10 31,6	19,85	0,064	−0,13	9.6486	+8.9507	1.2977	9.1577	....	146	ii. 62	....	....	M 16, A 16
175	24 40 32,8	19,85	0,073	.....	8.7007	−9.9539	1.2977	9.1590	....	....	.....	....	....	G 120
176	150 18 1,6	19,84	0,058	−0,35	9.5328	+9.9342	1.2976	9.1615	....	....	.....	172	81	R 19
177	81 27 48,9	19,84	0,066	.....	9.6102	−9.1669	1.2976	9.1628	....	....	.....	....	....	B.F 57
178	66 11 36,8	19,84	0,067	−0,02	9.5288	−9.6013	1.2975	9.1654	....	148	iii. 31			
179	131 21 14,1	19,84	0,062	−0,46	9.6258	+9.8153	1.2975	9.1660	....	....	v. 34	174	82	
180	40 18 43,6	−19,84	+0,071	+0,05	−9.2279	−9.8775	−1.2975	+9.1662	62	147	iii. 32			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
181*	Andromedæ	7½	0 33 52,70	+3,235	+0,0292	0,000	+8.9341	+8.1070	+0.5099	+8.7409
182*	Cassiopeæ.....	7	33 55,16	3,385	+0,0587	.....	9.0941	8.2675	0.5296	+9.0222
183	Phœnicis ..... μ	5	34 13,89	2,858	−0,0253	+0,011	8.9845	8.1620	0.4561	−8.8480
184*	33 Andromedæ	neb.	34 33,69	3,242	+0,0299	.....	8.9376	8.1193	0.5108	+8.7496
185	Ceti	6	34 39,85	3,026	−0,0045	+0,001	8.8296	8.0126	0.4808	−8.1692
186	Tucanæ.....	6	34 42,07	2,611	−0,0452	.....	9.2146	8.3981	0.4169	−9.1764
187	Phœnicis	6	34 47,85	2,876	−0,0229	+0,003	8.9616	8.1463	0.4588	−8.8029
188	Phœnicis ..... ξ	5	34 54,51	2,754	−0,0346	−0,016	9.0866	8.2727	0.4400	−9.0118
189	20 Cassiopeæ..... π	5	35 11,45	3,284	+0,0370	+0,005	8.9786	8.1683	0.5164	+8.8370
190	Ceti	6	35 12,45	2,992	−0,0087	+0,003	8.8487	8.0386	0.4760	−8.4033
191	Ceti	7	35 22,91	3,054	−0,0004	−0,003	8.8202	8.0122	0.4848	−7.7319
192	Sculptoris .... λ^1	5	35 29,35	2,902	−0,0195	−0,001	8.9299	8.1233	0.4627	−8.7315
193*	Tucanæ.....	6	35 48,55	2,694	−0,0383	.....	9.1340	8.3313	0.4304	−9.0761
194	21 Cassiopeæ.....	5½	35 49,95	3,805	+0,1557	−0,009	9.3827	8.5803	0.5803	+9.3659
195*	Tucanæ..... ρ	5½	35 57,98	2,595	−0,0444	.....	9.2145	8.4138	0.4141	−9.1762
196	16 Ceti ..... β	2½	36 3,34	2,999	−0,0076	+0,017	8.8424	8.0428	0.4770	−8.3508
197*	Cassiopeæ.....	6½	36 7,45	3,296	+0,0383	−0,003	8.9850	8.1863	0.5180	+8.8494
198	22 Cassiopeæ..... o	5½	36 23,14	3,301	+0,0389	+0,002	8.9884	8.1928	0.5187	+8.8558
199	Phœnicis ..... η	5	36 35,64	2,727	−0,0350	−0,014	9.0977	8.3046	0.4356	−9.0274
200	17 Ceti..... φ^1	5	36 37,45	3,028	−0,0038	+0,003	8.8270	8.0343	0.4811	−8.1240
201	Cassiopeæ.....	5½	36 46,76	3,369	+0,0512	+0,018	9.0533	8.2624	0.5275	+8.9634
202	Sculptoris .... λ^2	5	36 57,03	2,895	−0,0193	+0,024	8.9293	8.1405	0.4617	−8.7305
203	Ceti	6	37 18,99	2,979	−0,0096	0,000	8.8536	8.0691	0.4741	−8.4424
204	Ceti	7½	37 27,63	3,068	+0,0018	+0,011	8.8181	8.0354	0.4869	−6.8139
205	Ceti	6	37 46,13	3,050	−0,0007	+0,006	8.8200	8.0409	0.4843	−7.7978
206	23 Cassiopeæ.....	5½	37 50,61	3,838	+0,1564	0,000	9.3783	8.6001	0.5842	+9.3612
207	Phœnicis	6	37 51,23	2,862	−0,0220	−0,004	8.9574	8.1793	0.4567	−8.7951
208	18 Ceti	6	37 56,62	3,017	−0,0048	−0,003	8.8305	8.0534	0.4796	−8.2047
209	Phœnicis	6	38 5,39	2,760	−0,0309	+0,014	9.0543	8.2790	0.4409	−8.9652
210	Phœnicis	6½	38 20,69	2,808	−0,0266	−0,025	9.0067	8.2343	0.4485	−8.8887
211	57 Piscium	6½	38 42,29	3,129	+0,0101	0,000	8.8321	8.0638	0.4955	+8.2352
212	Phœnicis	6½	38 42,71	2,818	−0,0255	−0,015	8.9954	8.2272	0.4499	−8.8690
213	58 Piscium	6	39 12,24	3,116	+0,0082	+0,004	8.8258	8.0632	0.4935	+8.1125
214	59 Piscium	6	39 18,44	3,148	+0,0126	+0,007	8.8412	8.0798	0.4980	+8.3485
215	34 Andromedæ.... ζ	4	39 23,93	3,170	+0,0158	−0,001	8.8549	8.0945	0.5010	+8.4547
216	60 Piscium	6	39 38,34	3,095	+0,0053	+0,002	8.8197	8.0620	0.4906	+7.8332
217	61 Piscium	6½	39 58,11	3,156	+0,0136	+0,013	8.8446	8.0905	0.4991	+8.3808
218	24 Cassiopeæ..... η	4	40 3,23	3,429	+0,0581	+0,135	9.0814	8.3283	0.5351	+9.0050
219	25 Cassiopeæ..... ν	5	40 21,66	3,351	+0,0439	+0,008	9.0104	8.2607	0.5252	+8.8956
220	62 Piscium	6	40 30,71	3,097	+0,0057	+0,007	8.8199	8.0718	0.4910	+7.8725
221	Piscium	6	40 30,87	3,089	+0,0046	+0,039	8.8184	8.0704	0.4898	+7.7139
222	63 Piscium ..... δ	5	40 54,27	3,099	+0,0058	+0,008	8.8200	8.0762	0.4912	+7.8914
223	64 Piscium	5½	41 6,21	3,140	+0,0112	+0,001	8.8343	8.0927	0.4969	+8.2781
224*	Andromedæ	6	41 7,49	3,197	+0,0191	.....	8.8706	8.1292	0.5047	+8.5407
225	Cephei	6	0 41 11,83	+4,987	+0,5318	+0,046	+9.7243	+8.9837	+0.6979	+9.7209

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a′	b′	c′	d′						
	° ′ ″	″	″	″										
181	50 7 58,4	−19,84	+0,070	.....	−9.3779	−9.8021	−1.2975	+9.1682	64	....	.....	....	....	G 124
182	32 4 12,8	19,84	0,073	−0,01	9.0228	−9.9233	1.2975	9.1687	63	....	.....	....	....	B 5
183	136 54 27,5	19,83	0,062	−0,20	9.6077	+9.8586	1.2974	9.1726	....	....	ii. 63	177	84	R 21, J 13
184	49 33 9.4	19,83	0,071	.....	9.3668	−9.8071	1.2973	9.1768	....	....	.....	....	....	B.F 58
185	102 37 33,2	19,83	0,067	−0,06	9.6594	+9.3346	1.2972	9.1780	....	152	ii. 64	....	....	W 38
186	156 17 39,8	19,83	0,057	.....	9.4950	+9.9567	1.2972	9.1785	....	....	.....	....	....	R 22
187	133 56 55,9	19,82	0,063	+0,22	9.6206	+9.8363	1.2972	9.1797	....	153	v. 35	178	86	
188	147 19 33,9	19,82	0,061	−0,14	9.5587	+9.9201	1.2972	9.1811	....	....	.....	180	87	R 23
189	43 47 47,9	19,82	0,073	+0,01	9.2785	−9.8533	1.2971	9.1845	67	154	ii. 65			
190	111 0 58,9	19,82	0,067	+0,01	9.6628	+9.5495	1.2971	9.1848	....	155	ii. 66	....	....	W 39
191	94 40 51,9	19,82	0,069	+0,15	9.6485	+8.9065	1.2970	9.1869	....	157	iii. 33	....	....	M 17
192	129 17 8,4	19,82	0,065	−0,07	9.6371	+9.7963	1.2970	9.1882	....	158	iii. 34	183	89	
193	151 4 6,5	19,81	0,061	.....	−9.5392	+9.9368	1.2969	9.1920	....	....	.....	186		
194	15 50 1,6	19,81	0,086	+0,07	+8.4969	−9.9779	1.2969	9.1923	66	156	iii. 35			
195	156 18 18,8	19,81	0,059	.....	−9.5017	+9.9564	1.2969	9.1939	....	....	.....	188		
196	108 48 39,8	19,81	0,069	−0,05	9.6640	+9.5031	1.2968	9.1950	70	159	ii. 67	....	....	J 14
197	42 57 35,7	19,81	0,076	.....	9.2572	−9.8590	1.2968	9.1958	68	....	.....	....	....	L 305
198	42 32 13,6	19,80	0,076	−0,03	9.2477	−9.8619	1.2967	9.1989	69	160	iii. 36			
199	148 17 17,3	19,80	0,063	+0,51	9.5604	+9.9242	1.2967	9.2014	....	....	ii. 69	190	92	J 16, R 24
200	101 25 37,1	19,80	0,070	+0,10	9.6598	+9.2914	1.2967	9.2017	71	163	ii. 68	....	....	J 15
201	35 36 4,0	19,80	0,079	+0,08	9.0888	−9.9045	1.2966	9.2036	....	162	iii. 37	....	....	G 134
202	129 14 56,6	19,80	0,068	−0,08	9.6412	+9.7955	1.2966	9.2056	....	164	iii. 38	192	93	
203	112 49 51,3	19,79	0,070	−0,08	9.6655	+9.5831	1.2964	9.2098	....	166	ii. 70	193	....	W 40
204	90 34 2,6	19,79	0,073	+0,16	9.6390	+7.9900	1.2964	9.2115	....	167	iv. 77	....	....	M 18
205	95 27 11,4	19,78	0,073	+0,07	−9.6509	+8.9719	1.2963	9.2150	....	171	ii. 71	....	....	W 41
206	15 58 23,9	19,78	0,092	+0,03	+8.5866	−9.9770	1.2963	9.2158	72	165	iii. 39			
207	133 29 37,0	19,78	0,069	+0,08	−9.6314	+9.8318	1.2963	9.2160	....	173	v. 37	200	96	
208	103 41 36,1	19,78	0,073	+0,19	9.6633	+9.3683	1.2962	9.2170	73	172	ii. 72			
209	144 32 15,6	19,78	0,067	+0,18	9.5872	+9.9049	1.2962	9.2186	....	....	v. 38	201	97	
210	139 39 32,8	19,78	0,068	+0,06	9.6105	+9.8760	1.2961	9.2215	....	....	v. 39	202	99	
211	75 20 37,3	19,77	0,077	+0,04	9.5767	−9.3969	1.2960	9.2255	75	178	ii. 73			
212	138 22 39,3	19,77	0,069	+0,34	9.6169	+9.8674	1.2960	9.2256	....	....	v. 40	207	100	
213	78 50 38,5	19,76	0,077	−0,06	9.5943	−9.2803	1.2958	9.2310	76	179	ii. 74			
214	71 14 30,2	19,76	0,078	−0,03	9.5515	−9.5009	1.2958	9.2322	77	180	ii. 75			
215	66 32 57,6	19,76	0,079	+0,07	9.5185	−9.5934	1.2958	9.2332	78	182	ii. 76			
216	84 4 42,7	19,76	0,078	0,00	9.6169	−9.0070	1.2957	9.2358	80	183	ii. 77	....	....	M 19
217	69 53 47,3	19,75	0,080	+0,06	9.5415	−9.5296	1.2956	9.2393	81	186	iii. 41			
218	32 58 54,1	19,75	0,087	+0,48	8.9557	−9.9170	1.2956	9.2402	79	185	ii. 78			
219	39 51 7,9	19,75	0,086	+0,07	9.1572	−9.8784	1.2955	9.2435	83	187	iii. 42			
220	83 31 8,6	19,74	0,079	−0,04	9.6142	−9.0458	1.2954	9.2451	84	190	ii. 80	....	....	M 21
221	85 29 30,7	19,74	0,079	+1,18	9.6220	−8.8886	1.2954	9.2452	....	189	ii. 79	....	....	B.F 75
222	83 13 54,4	19,74	0,080	+0,01	9.6128	−9.0644	1.2953	9.2493	85	192	ii. 81	....	....	M 22
223	73 52 8,5	19,73	0,082	+0,16	9.5650	−9.4368	1.2952	9.2514	86	193	ii. 82			
224	62 5 56,8	19,73	0,083	.....	−9.4771	−9.6632	1.2952	9.2516	....	....	.....	....	....	B.F 81
225	7 6 32,6	−19,73	+0,130	+0,02	+9.0924	−9.9896	−1.2952	+9.2524	74	....	.....	....	....	Airy (G)

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
226	Cassiopeæ.....	6	0 41 14,12	+3,327	+0,0390	.....	+8.9826	+8.2424	+0.5220	+8.8464
227	35 Andromedæ.... ν	4	41 33,68	3,275	+0,0305	+0,004	8.9341	8.1974	0.5152	+8.7446
228*	Cassiopeæ.....	.	41 40,28	3,554	+0,0796	.....	9.1661	8.4306	0.5507	+9.1176
229	65 Piscium i	6	41 50,27	3,194	+0,0184	+0,005	8.8663	8.1326	0.5043	+8.5218
230	Ceti	6	41 53,75	3,008	−0,0049	+0,017	8.8304	8.0973	0.4783	−8.2254
231	Phœnicis	6	41 59,20	2,805	−0,0242	+0,003	8.9871	8.2549	0.4479	−8.8548
232	Cassiopeæ.....	6½	42 23,95	3,371	+0,0452	+0,018	9.0147	8.2868	0.5278	+8.9033
233	19 Ceti..... φ^2	5½	42 36,89	3,021	−0,0033	−0,013	8.8251	8.0995	0.4801	−8.1230
234	Phœnicis	6	43 1,69	2,828	−0,0217	+0,003	8.9609	8.2396	0.4515	−8.8043
235	Cassiopeæ.....	6½	43 2,19	3,376	+0,0455	+0,007	9.0150	8.2938	0.5284	+8.9040
236	Hydri ..... λ	5½	43 19,00	2,082	−0,0387	−0,024	9.4246	8.7063	0.3185	−9.4110
237*	Piscium	7½	43 35,43	3,082	+0,0037	0,000	8.8165	8.1010	0.4888	+7.4683
238	Phœnicis ..... ρ	5½	43 51,25	2,747	−0,0270	+0,005	9.0247	8.3119	0.4389	−8.9201
239*	Cassiopeæ.....	5½	44 9,45	3,519	+0,0689	−0,007	9.1208	8.4110	0.5465	+9.0596
240*	Ursæ Minoris	6	44 32,41	11,361	+6,0216	+0,116	0.3225	9.6166	1.0554	+0.3223
241	Tucanæ.....	6	45 13,70	2,265	−0,0403	−0,095	9.3250	8.6259	0.3550	−9.3031
242	20 Ceti	5	45 20,71	3,062	+0,0015	+0,002	8.8156	8.1177	0.4860	−7.3496
243	Piscium	8	45 36,44	3,086	+0,0042	−0,009	8.8160	8.1206	0.4894	+7.5723
244*	26 Cassiopeæ .... υ^1	5½	46 7,53	3,501	+0,0628	−0,011	9.0928	8.4025	0.5442	+9.0220
245	Cassiopeæ.....	5	46 35,01	3,369	+0,0412	.....	8.9882	8.3023	0.5275	+8.8584
246*	Tucanæ.....	5½	46 38,88	2,315	−0,0389	−0,075	9.2874	8.6021	0.3646	−9.2613
247	66 Piscium	6	46 39,13	3,160	+0,0129	+0,001	8.8376	8.1523	0.4997	+8.3362
248	21 Ceti	6½	46 43,61	3,025	−0,0021	+0,005	8.8209	8.1364	0.4807	−8.0410
249	Sculptoris.....	6½	46 51,40	2,893	−0,0143	−0,007	8.8919	8.2086	0.4614	−8.6297
250	36 Andromedæ.....	6	46 56,66	3,185	+0,0158	+0,011	8.8501	8.1677	0.5031	+8.4387
251*	Tucanæ ..... λ^1	6	47 21,83	2,516	−0,0351	−0,018	9.1680	8.4895	0.4007	−9.1205
252	Piscium	7	47 33,10	3,100	+0,0058	−0,003	8.8169	8.1402	0.4913	+7.8390
253	27 Cassiopeæ .... γ	3	47 41,49	3,547	+0,0686	+0,001	9.1142	8.4388	0.5499	+9.0513
254	28 Cassiopeæ .... υ^2	5½	47 46,10	3,520	+0,0640	−0,006	9.0947	8.4200	0.5465	+9.0249
255	Cassiopeæ.....	6	47 47,04	3,541	+0,0675	.....	9.1096	8.4350	0.5492	+9.0451
256*	67 Piscium ..... k	6	47 55,05	3,208	+0,0184	+0,007	8.8622	8.1889	0.5063	+8.5101
257	Ceti	6	48 7,80	3,031	−0,0014	+0,009	8.8187	8.1474	0.4815	−7.9707
258	Piscium	7	48 17,16	3,136	+0,0098	−0,005	8.8257	8.1559	0.4964	+8.1823
259*	37 Andromedæ.... μ	4	48 26,80	3,287	+0,0284	+0,014	8.9157	8.2474	0.5168	+8.7020
260	22 Ceti..... φ^3	6	48 30,23	3,011	−0,0033	0,000	8.8238	8.1560	0.4786	−8.1446
261	Cassiopeæ.....	6	49 3,98	3,695	+0,0929	.....	9.1968	8.5341	0.5676	+9.1560
262	2 Ursæ Minoris	5	49 7,91	6,644	+1,2222	+0,072	9.9143	9.2523	0.8224	+9.9130
263*	Piscium	6	49 10,45	3,211	+0,0184	.....	8.8609	8.1992	0.5066	+8.5056
264	38 Andromedæ.... η	5	49 12,50	3,189	+0,0158	+0,001	8.8485	8.1872	0.5037	+8.4334
265	Phœnicis	6	49 13,84	2,678	−0,0272	−0,010	9.0446	8.3834	0.4279	−8.9526
266	Tucanæ..... λ	5½	49 22,78	2,271	−0,0364	−0,040	9.2868	8.6270	0.3561	−9.2607
267	68 Piscium..... k	6	49 43,72	3,225	+0,0199	0,000	8.8684	8.2117	0.5085	+8.5426
268	Tucanæ.....	6½	49 48,83	1,986	−0,0294	−0,109	9.4040	8.7481	0.2979	−9.3892
269	Piscium	6½	50 2,43	3,137	+0,0097	−0,005	8.8245	8.1707	0.4965	+8.1728
270	Pisicum	7	0 50 32,99	+3,102	+0,0059	−0,003	+8.8157	+8.1663	+0.4916	+7.8373

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
226	43 3 13,0	−19,73	+0,087	.....	−9.2188	−9.8567	−1.2952	+9.2527	....	....	.....	....	....	G 151
227	49 44 21,3	19,73	0,086	+0,01	9.3316	−9.8032	1.2950	9.2561	87	194	ii. 83			
228	26 34 13,6	19,72	0,094	+0,03	8.5106	−9.9443	1.2950	9.2573	82	....	.....	....	....	Airy (G)
229	63 6 24,6	19,72	0,085	−0,03	9.4842	−9.6482	1.2949	9.2590	88	195	ii. 84			
230	104 22 33,2	19,72	0,080	+0,10	9.6679	+9.3876	1.2949	9.2596	....	198	iv. 89			
231	137 31 5,3	19,72	0,075	+0,30	9.6309	+9.8604	1.2949	9.2605	....	....	v. 42	226	106	
232	39 18 39,2	19,71	0,090	+0,08	9.1225	−9.8811	1.2948	9.2647	....	199	iii. 44	....	....	G 154
233	101 27 10,3	19,71	0,081	+0,22	9.6646	+9.2903	1.2947	9.2669	89	201	ii. 85			
234	134 12 49,0	19,70	0,077	+0,02	9.6446	+9.8357	1.2945	9.2710	....	205	v. 43	231	107	R 25
235	39 14 46,3	19,70	0,092	+0,06	9.1139	−9.8813	1.2945	9.2711	....	203	iii. 46	....	....	G 155
236	165 44 23,3	19,70	0,057	−0,01	9.4609	+9.9786	1.2944	9.2739	....	....	.....	235	108	R 26
237	87 25 44,2	19,69	0,085	+0,07	9.6284	−8.6440	1.2943	9.2766	91	207	iii. 47	....	....	B.F 84
238	141 48 17,5	19,69	0,076	−0,22	9.6210	+9.8874	1.2942	9.2792	....	....	v. 44	233	109	R 27
239	29 42 3,3	19,68	0,098	−0,05	−8.6875	−9.9307	1.2941	9.2821	90	209	iii. 49	....	....	B.H 439
240	1 47 1,8	19,68	0,320	+0,02	+9.2541	−9.9915	1.2940	9.2858	65	177	iii. 45	....	....	B.F 46
241	161 58 48,9	19,67	0,065	+1,40	−9.5061	+9.9697	1.2937	9.2924	....	....	.....	244	112	R 28
242	91 57 34,5	19,66	0,088	−0,01	9.6439	+8.5254	1.2937	9.2935	93	213	ii. 86	....	....	M 24
243	86 43 42,7	19,66	0,089	+0,09	9.6253	−8.7477	1.2936	9.2960	....	216	iv. 98	....	....	M 25
244	31 50 26,0	19,65	0,102	+0,09	8.7716	−9.9203	1.2934	9.3008	94	217	iii. 52			
245	42 8 7,8	19,64	0,099	.....	9.1505	−9.8611	1.2932	9.3051	....	....	.....	....	....	G 171
246	160 18 55,0	19,64	0,068	−0,04	9.5270	+9.9648	1.2932	9.3057	....	....	.....	250	114	R 29
247	71 37 31,1	19,64	0,093	−0,04	9.5417	−9.4896	1.2932	9.3057	96	221	ii. 87			
248	99 33 19,7	19,64	0,089	+0,12	9.6642	+9.2110	1.2931	9.3064	98	222	iii. 53			
249	123 8 50,1	19,64	0,086	−0,43	9.6761	+9.7287	1.2931	9.3076	....	....	v. 45	245	117	
250	67 11 3,4	19,64	0,095	+0,02	9.5066	−9.5794	1.2930	9.3084	97	223	ii. 88			
251	153 41 29,7	19,63	0,075	+0,49	9.5754	+9.9432	1.2929	9.3122	....	....	.....	253	118	R 30
252	83 57 35,2	19,63	0,093	+0,05	9.6126	−9.0127	1.2928	9.3139	....	227	iii. 54	....	....	M 26
253	30 5 48,2	19,62	0,107	−0,02	8.5900	−9.9276	1.2928	9.3151	99	225	ii. 89			
254	31 37 48,4	19,62	0,106	0,00	8.7110	−9.9207	1.2927	9.3158	....	226	iii. 55			
255	30 27 2,3	19,62	0,107	.....	8.6181	−9.9260	1.2927	9.3160	....	....	.....	....	....	G 184
256	63 36 12,3	19,62	0,097	−0,08	9.4719	−9.6384	1.2927	9.3172	100	228	ii. 90			
257	98 9 29,8	19,61	0,092	−0,02	9.6620	+9.1424	1.2926	9.3190	....	230	ii. 92	....	....	W 54
258	76 51 42,2	19,61	0,096	+0,04	9.5742	−9.3469	1.2925	9.3204	....	231	ii. 93	....	....	M 27
259	52 18 53,9	19,61	0,101	−0,07	9.3326	−9.7765	1.2924	9.3218	101	232	ii. 94			
260	102 4 47,9	19,61	0,092	0,00	−9.6706	+9.3109	1.2924	9.3224	103	235	ii. 95			
261	24 27 36,4	19,60	0,115	.....	+8.1367	−9.9491	1.2922	9.3273	....	....	.....	....	....	G 192
262	4 33 3,4	19,60	0,206	+0,01	+9.2497	−9.9886	1.2922	9.3279	92	220	ii. 91	....	....	B.H 486
263	63 48 42,9	19,60	0,100	.....	−9.4704	−9.6347	1.2922	9.3282	....	....	.....	....	....	B.F 92
264	67 23 32,1	19,59	0,099	−0,01	9.5034	−9.5747	1.2921	9.3285	104	238	ii. 96			
265	144 0 14,0	19,59	0,083	+0,15	9.6310	+9.8979	1.2921	9.3287	....	....	v. 46	259	121	R 32
266	160 20 18,8	19,59	0,071	0,00	9.5407	+9.9638	1.2921	9.3300	....	....	.....	262	122	R 33
267	61 49 10,2	19,59	0,101	+0,01	9.4484	−9.6639	1.2919	9.3330	105	241	ii. 97			
268	165 7 12,0	19,58	0,062	+0,04	9.5049	+9.9749	1.2919	9.3338	....	....	.....	267	123	
269	77 6 57,8	19,58	0,099	+0,05	9.5737	−9.3378	1.2918	9.3357	....	243	ii. 98	....	....	M 28
270	83 58 2,1	−19,57	+0,099	+0,12	−9.6113	−9.0109	−1.2916	+9.3400	....	246	iii. 57	....	....	M 29

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
271	23 Ceti ..... φ^4	6	0 51 13,17	+3,007	−0,0033	−0,001	+8.8229	+8.1795	+0.4781	−8.1475
272	Sculptoris..... α	5	51 22,59	2,898	−0,0122	+0,001	8.8761	8.2341	0.4621	−8.5773
273	Ursæ Minoris	6	51 45,37	7,756	+1,8480	−0,171	0.0082	9.3694	0.8897	+0.0073
274*	Piscium	6½	52 3,41	3,101	+0,0058	+0,003	8.8147	8.1786	0.4914	+7.8097
275	Tucanæ.....	6	52 3,93	2,348	−0,0341	+0,007	9.2275	8.5914	0.3707	−9.1927
276	Tucanæ	6	52 8,28	2,515	−0,0313	+0,045	9.1341	8.4986	0.4005	−9.0780
277	Sculptoris.....	7	52 16,93	2,855	−0,0150	−0,008	8.9016	8.2674	0.4557	−8.6651
278	Phœnicis	•	52 41,52	2,723	−0,0228	.....	8.9933	8.3626	0.4351	−8.8694
279	Phœnicis	6½	53 57,87	2,577	−0,0282	−0,024	9.0844	8.4644	0.4110	−9.0115
280	Cassiopeæ.....	6	54 8,79	4,132	+0,1694	.....	9.3600	8.7416	0.6161	+9.3419
281*	70 Piscium	7½	54 19,14	3,110	+0,0067	+0,002	8.8150	8.1980	0.4928	+7.9090
282	Cassiopeæ.....	6	54 24,82	3,621	+0,0720	.....	9.1161	8.4999	0.5589	+9.0548
283	39 Andromedæ	6	54 29,57	3,340	+0,0322	0,000	8.9307	8.3152	0.5237	+8.7436
284	Phœnicis	6	54 34,43	2,815	−0,0167	−0,003	8.9211	8.3062	0.4495	−8.7202
285	69 Piscium ..... σ^1	5½	54 36,59	3,260	+0,0226	−0,002	8.8784	8.2638	0.5133	+8.5902
286	Piscium	7	54 41,64	3,115	+0,0071	+0,007	8.8157	8.2018	0.4935	+7.9600
287*	Tucanæ	6	55 7,72	2,480	−0,0301	−0,010	9.1351	8.5248	0.3944	−9.0798
288	71 Piscium ..... ε	4	55 9,99	3,110	+0,0067	+0,004	8.8145	8.2045	0.4928	+7.9054
289	Sculptoris ..... σ	6	55 16,63	2,868	−0,0130	+0,019	8.8845	8.2754	0.4576	−8.6130
290*	Cassiopeæ.....	7	55 27,43	3,502	+0,0530	−0,012	9.0357	8.4280	0.5443	+8.9403
291	25 Ceti	6	55 27,45	3,039	+0,0003	−0,007	8.8132	8.2056	0.4827	−7.8056
292	Phœnicis ..... ω	5½	55 40,87	2,560	−0,0277	−0,010	9.0845	8.4786	0.4082	−9.0120
293	Piscium	8	56 0,37	3,104	+0,0062	−0,003	8.8132	8.2100	0.4920	+7.8294
294	Phœnicis	6	56 2,20	2,721	−0,0211	−0,006	8.9787	8.3758	0.4347	−8.8443
295	26 Ceti	6½	56 6,05	3,074	+0,0034	+0,010	8.8108	8.2084	0.4877	+6.8017
296*	Sculptoris.....	6½	56 7,52	2,881	−0,0118	−0,045	8.8747	8.2725	0.4595	−8.5779
297	Andromedæ	6	56 10,83	3,335	+0,0307	.....	8.9214	8.3196	0.5231	+8.7220
298*	Cassiopeæ.....	7½	56 15,52	3,773	+0,0943	+0,005	9.1874	8.5863	0.5767	+9.1453
299*	Piscium	6	56 15,61	3,250	+0,0209	.....	8.8683	8.2672	0.5118	+8.5519
300*	Cassiopeæ.....	6	56 37,75	4,786	+0,3246	.....	9.5381	8.9399	0.6800	+9.5304
301	Tucanæ	6	56 56,64	2,323	−0,0307	+0,001	9.2056	8.6099	0.3660	−9.1672
302	Cassiopeæ.....	6	56 57,13	3,688	+0,0792	.....	9.1382	8.5426	0.5668	+9.0839
303	73 Piscium	6½	57 6,55	3,099	+0,0056	+0,006	8.8118	8.2175	0.4912	+7.7390
304*	Tucanæ	6	57 9,15	2,478	−0,0288	.....	9.1231	8.5291	0.3941	−9.0645
305	72 Piscium	6	57 10,68	3,154	+0,0108	+0,004	8.8236	8.2298	0.4988	+8.2115
306	Sculptoris.....	7	57 26,80	2,844	−0,0137	+0,007	8.8933	8.3016	0.4539	−8.6447
307	74 Piscium, pr..... ψ^1	5½	57 39,19	3,196	+0,0150	+0,010	8.8389	8.2489	0.5046	+8.3866
308	Piscium	6	57 39,70	3,196	+0,0149	+0,007	8.8389	8.2489	0.5046	+8.3865
309	Phœnicis	6	57 40,64	2,691	−0,0217	.....	8.9909	8.4010	0.4299	−8.8669
310	76 Piscium ..... σ^2	6½	57 57,08	3,275	+0,0231	+0,007	8.8786	8.2908	0.5152	+8.5951
311	77 Piscium, pr.....	7	58 3,97	3,095	+0,0053	+0,004	8.8109	8.2241	0.4906	+7.6661
312*	Piscium	8	58 6,09	3,095	+0,0053	+0,004	8.8109	8.2244	0.4906	+7.6662
313	27 Ceti	6	58 6,13	3,007	−0,0021	0,000	8.8175	8.2310	0.4781	−8.0896
314*	30 Cassiopeæ..... μ	5½	58 19,48	3,537	+0,0553	+0,388	9.0424	8.4576	0.5486	+8.9513
315	28 Ceti	6	0 58 33,68	+3,007	−0,0020	+0,003	+8.8171	+8.2342	+0.4782	−8.0836

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
271	102 11 25,6	−19,56	+0,097	+0,01	−9.6730	+9.3137	−1.2913	+9.3456	106	249	ii. 99			
272	120 10 9,4	19,55	0,094	+0,03	−9.6874	+9.6902	1.2912	9.3469	....	250	ii. 100	266	125	R 34, J 18
273	3 39 21,5	19,55	0,253	−0,02	+9.2918	−9.9880	1.2911	9.3501	95	234	iii. 58	....	....	G 195
274	84 19 39,3	19,54	0,102	+0,04	−9.6123	−8.9836	1.2909	9.3526	107	252	ii. 101	....	....	M 30
275	157 22 34,3	19,54	0,077	+0,60	9.5738	+9.9539	1.2909	9.3526	....	....	.....	272	128	R 35
276	151 30 43,5	19,54	0,083	+0,44	9.6077	+9.9326	1.2909	9.3532	....	....	.....	271	127	
277	125 27 17,5	19,54	0,094	+0,39	9.6855	+9.7521	1.2908	9.3544	....	....	.....	269	....	R 36
278	138 45 19,7	19,53	0,091	.....	9.6604	+9.8646	1.2906	9.3577	....	....	.....	....	....	R 37
279	147 44 12,3	19,50	0,088	−0,44	−9.6324	+9.9150	1.2901	9.3679	....	....	v. 47	279	130	R 38
280	16 26 7,7	19,50	0,141	.....	+9.0073	−9.9696	1.2900	9.3693	....	....	.....	....	....	G 215
281	82 52 3,0	19,50	0,107	−0,17	−9.6036	−9.0817	1.2899	9.3707	110	260	iii. 61			
282	29 43 59,1	19,49	0,124	.....	8.0414	−9.9263	1.2899	9.3714	....	....	.....	....	....	G 219
283	49 27 45,4	19,49	0,115	0,00	9.2472	−9.8005	1.2898	9.3721	108	259	iii. 62			
284	129 1 9,5	19,49	0,097	+0,11	9.6864	+9.7866	1.2898	9.3727	....	....	v. 48	280	132	
285	59 0 6,3	19,49	0,112	0,00	9.3986	−9.6994	1.2898	9.3730	111	261	iii. 63			
286	81 59 12,1	19,49	0,107	+0,09	9.5985	−9.1318	1.2897	9.3736	....	262	ii. 102	....	....	W 61
287	151 40 56,7	19,48	0,086	+1,29	9.6187	+9.9320	1.2895	9.3770	....	....	.....	285	134	R 39
288	82 55 7,0	19,48	0,108	−0,02	9.6035	−9.0782	1.2895	9.3773	113	264	ii. 103	....	....	M 31
289	122 21 39,5	19,47	0,100	+0,03	9.6942	+9.7158	1.2895	9.3781	....	265	v. 49	282	133	
290	36 35 58,3	19,47	0,122	.....	8.8215	−9.8918	1.2894	9.3795	112	....	.....	....	....	B 7
291	95 38 23,5	19,47	0,106	+0,10	9.6585	+8.9796	1.2894	9.3795	115	266	ii. 104			
292	147 48 35,8	19,47	0,090	−0,19	9.6383	+9.9146	1.2893	9.3812	....	....	v. 50	288	136	R 40
293	84 2 29,6	19,46	0,110	+0,08	9.6091	−9.0031	1.2891	9.3837	....	269	iv. 117	....	....	M 32
294	137 12 18,4	19,46	0,096	+0,10	9.6743	+9.8525	1.2891	9.3840	....	....	.....	289	137	
295	89 26 20,3	19,46	0,109	+0,07	9.6350	−7.9778	1.2891	9.3844	116	270	ii. 105			
296	120 19 45,5	19,46	0,102	−0,53	9.6964	+9.6901	1.2891	9.3846	....	....	v. 51	287	138	
297	50 48 52,8	19,46	0,118	.....	−9.2627	−9.7874	1.2890	9.3851	....	....	.....	....	....	G 232
298	24 50 5,5	19,45	0,134	.....	+8.5821	−9.9446	1.2890	9.3856	114	....	.....	....	....	B 8
299	61 8 27,3	19,45	0,115	.....	−9.4196	−9.6704	1.2890	9.3857	....	....	.....	....	....	B.F 103
300	10 47 29,7	19,45	0,171	+0,08	+9.2014	−9.9789	1.2888	9.3884	109	....	.....	....	....	G 230
301	156 15 57,0	19,44	0,083	+0,34	−9.6018	+9.9481	1.2887	9.3908	....	....	.....	298	141	R 41
302	28 2 32,9	19,44	0,132	.....	+8.1173	−9.9322	1.2887	9.3909	....	....	.....	....	....	G 234
303	85 8 59,1	19,44	0,111	+0,02	−9.6144	−8.9135	1.2886	9.3920	120	273	ii. 106	....	....	M 33
304	150 53 9,7	19,43	0,089	.....	9.6301	+9.9277	1.2886	9.3923	....	....	.....	297		
305	75 51 42,4	19,43	0,114	−0,05	9.5569	−9.3742	1.2886	9.3925	119	274	ii. 107			
306	124 20 23,9	19,43	0,103	+0,24	9.6974	+9.7376	1.2884	9.3945	....	....	.....	296	....	R 42
307	69 19 51,9	19,42	0,116	+0,02	9.5026	−9.5338	1.2883	9.3961	121	275	ii. 108			
308	69 20 20,2	19,42	0,116	+0,03	9.5028	−9.5337	1.2883	9.3961	122	276	iv. 120			
309	138 44 40,9	19,42	0,098	.....	9.6752	+9.8622	1.2883	9.3962	....	....	.....	....	....	R 43
310	58 37 19,7	19,42	0,120	−0,01	9.3806	−9.7025	1.2882	9.3982	123	278	iii. 68			
311	85 53 30,5	19,42	0,113	+0,11	9.6178	−8.8411	1.2881	9.3991	124	280	iii. 69	....	....	M 34
312	85 53 26,4	19,41	0,113	+0,13	9.6178	−8.8412	1.2881	9.3993	125	281	iv. 121			
313	100 46 58,2	19,41	0,110	+0,01	9.6750	+9.2579	1.2881	9.3994	126	284	iii. 70			
314	35 49 4,1	19,41	0,130	+1,55	8.6981	−9.8947	1.2880	9.4010	118	277	iii. 67			
315	100 38 40,0	−19,40	+0,111	−0,02	−9.6750	+9.2522	−1.2879	+9.4027	128	286	iii. 73			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
316	75 Piscium	6½	0 58 40,51	+3,144	+ 0,0097	+0,004	+8.8194	+8.2373	+0.4974	+8.1426
317	Phœnicis .....β	3½	59 23,10	2,697	− 0,0206	−0,005	8.9797	8.4030	0.4308	−8.8475
318	41 Andromedæ	5	59 25,30	3,392	+ 0,0360	+0,018	8.9460	8.3697	0.5304	+8.7810
319	Sculptoris.....	6	59 25,35	2,817	− 0,0146	+0,038	8.9038	8.3274	0.4498	−8.6778
320*	Cassiopeæ.....	6	59 30,39	4,816	+ 0,3167	+0,034	9.5236	8.9479	0.6827	+9.5153
321	78 Piscium	6	59 44,35	3,279	+ 0,0231	+0,019	8.8769	8.3030	0.5158	+8.5914
322	79 Piscium .... ψ^2	6	0 59 54,93	3,196	+ 0,0146	+0,008	8.8358	8.2632	0.5046	+8.3685
323	30 Ceti	6	1 0 13,57	3,006	− 0,0019	+0,011	8.8162	8.2460	0.4780	−8.0805
324	29 Ceti	6½	0 15,78	3,078	+ 0,0039	+0,010	8.8088	8.2389	0.4883	+7.1327
325	Piscium	7½	0 31,65	3,127	+ 0,0081	−0,005	8.8141	8.2461	0.4951	+8.0134
326	Sculptoris.....	7	0 34,33	2,838	− 0,0130	.....	8.8880	8.3204	0.4531	−8.6313
327	31 Cassiopeæ.....	6	0 34,38	3,934	+ 0,1146	+0,008	9.2346	8.6670	0.5948	+9.2017
328	80 Piscium ..... e	5	0 38,81	3,100	+ 0,0058	−0,017	8.8101	8.2430	0.4914	+7.7376
329	Phœnicis	6½	0 39,11	2,750	− 0,0177	+0,008	8.9412	8.3742	0.4393	−8.7713
330	42 Andromedæ.... φ	5	0 48,94	3,439	+ 0,0408	−0,002	8.9702	8.4044	0.5365	+8.8303
331	Phœnicis ..... υ	5½	0 56,06	2,751	− 0,0175	−0,008	8.9393	8.3744	0.4395	−8.7673
332	31 Ceti ..... η	3½	1 2,67	3,002	− 0,0021	+0,017	8.8163	8.2523	0.4775	−8.0961
333	Tucanæ..... ι	5	1 19,95	2,389	− 0,0276	−0,032	9.1449	8.5829	0.3783	−9.0931
334	43 Andromedæ....β	2	1 20,94	3,317	+ 0,0265	+0,019	8.8939	8.3320	0.5207	+8.6506
335*	Cassiopeæ.....	6½	1 46,68	3,782	+ 0,0874	−0,004	9.1569	8.5983	0.5777	+9.1084
336*	81 Piscium .... ψ^3	6	1 48,69	3,192	+ 0,0139	+0,009	8.8319	8.2735	0.5041	+8.3414
337	44 Andromedæ	6	1 49,15	3,383	+ 0,0337	−0,007	8.9320	8.3737	0.5294	+8.7514
338	32 Cassiopeæ.....	5½	1 53,44	3,809	+ 0,0916	−0,050	9.1695	8.6117	0.5808	+9.1239
339	33 Cassiopeæ..... θ	4½	1 59,76	3,569	+ 0,0565	+0,024	9.0423	8.4852	0.5525	+8.9522
340	Phœnicis ..... ζ	5	2 4,35	2,539	− 0,0246	+0,016	9.0608	8.5043	0.4047	−8.9796
341	Piscium	6	2 14,87	3,166	+ 0,0115	+0,018	8.8225	8.2673	0.5005	+8.2319
342	32 Ceti	6	2 40,39	3,009	− 0,0013	−0,002	8.8137	8.2616	0.4784	−8.0405
343	45 Andromedæ	6	2 41,74	3,342	+ 0,0288	−0,039	8.9047	8.3528	0.5240	+8.6834
344	33 Ceti	6	2 50,68	3,081	+ 0,0042	+0,002	8.8076	8.2567	0.4887	+7.2659
345	82 Piscium ..... g	5½	2 51,39	3,285	+ 0,0228	+0,004	8.8726	8.3219	0.5165	+8.5797
346	Piscium	7½	3 3,08	3,127	+ 0,0080	+0,007	8.8124	8.2630	0.4951	+7.9948
347	Phœnicis	6	3 7,21	2,502	− 0,0249	+0,002	9.0758	8.5269	0.3983	−9.0013
348	84 Piscium .....χ	5	3 24,08	3,205	+ 0,0150	+0,005	8.8348	8.2880	0.5059	+8.3737
349	83 Piscium ..... τ	6	3 24,85	3,276	+ 0,0217	+0,008	8.8665	8.3198	0.5153	+8.5560
350	Cassiopeæ.....	6½	3 27,29	4,970	+ 0,3374	−0,014	9.5308	8.9843	0.6964	+9.5229
351	Piscium	7	3 37,45	3,132	+ 0,0084	−0,009	8.8130	8.2678	0.4958	+8.0302
352	Andromedæ	6	3 54,73	3,433	+ 0,0384	+0,020	8.9538	8.4107	0.5356	+8.7998
353	Phœnicis	6	4 0,07	2,470	− 0,0250	+0,001	9.0885	8.5460	0.3926	−9.0193
354	Phœnicis	6	4 5,81	2,488	− 0,0246	−0,030	9.0784	8.5366	0.3958	−9.0052
355	Sculptoris.....	7	4 5,84	2,831	− 0,0123	.....	8.8834	8.3416	0.4519	−8.6200
356	34 Ceti	6½	4 6,06	3,051	+ 0,0020	−0,001	8.8073	8.2655	0.4844	−7.5330
357*	Piscium	9	4 33,69	3,296	+ 0,0235	.....	8.8747	8.3361	0.5180	+8.5900
358*	Piscium	7	4 44,59	3,280	+ 0,0218	+0,007	8.8657	8.3285	0.5158	+8.5549
359*	35 Ceti	6½	4 49,35	3,082	+ 0,0043	−0,010	8.8065	8.2698	0.4888	+7.2731
360	1 Ursæ Minoris .. α	2	1 5 1,42	+17,456	+11,4276	+0,090	+ 0.3911	+9.8559	+1.2420	+0.3909

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
316	77 50 53,6	−19,40	+0,116	−0,08	−9.5693	−9.3089	−1.2878	+9.4035	127	287	ii. 111			
317	137 31 21,3	19,39	0,101	+0,02	9.6831	+9.8530	1.2875	9.4086	....	....	ii. 112	308	145	R 44, J 19
318	46 51 30,1	19,39	0,127	+0,04	9.1501	−9.8202	1.2875	9.4089	129	290	iii. 75			
319	126 27 50,8	19,39	0,105	+0,10	−9.7002	+9.7593	1.2875	9.4089	....	....	v. 53	305	144	
320	11 7 37,7	19,38	0,180	+0,03	+9.2256	−9.9770	1.2874	9.4095	117	283	iii. 74	....	....	B.H 472
321	58 47 20,1	19,38	0,123	+0,01	−9.3760	−9.6996	1.2873	9.4112	131	291	iii. 76			
322	70 3 37,4	19,37	0,121	+0,10	9.5049	−9.5178	1.2872	9.4124	132	292	ii. 113			
323	100 35 21,1	19,37	0,114	−0,02	9.6761	+9.2491	1.2871	9.4146	135	296	ii. 114			
324	88 47 32,5	19,37	0,117	+0,46	9.6319	−8.3086	1.2870	9.4149	133	295	iii. 78			
325	80 53 41,5	19,36	0,119	+0,07	9.5879	−9.1840	1.2869	9.4167	....	297	iv. 125	....	....	M 35
326	123 37 0,4	19,36	0,108	.....	−9.7042	+9.7279	1.2869	9.4170	....	....	.....	....	....	R 45
327	22 1 16,9	19,36	0,150	+0,01	+8.9004	−9.9518	1.2869	9.4170	130	293	iii. 79			
328	85 8 42,7	19,36	0,118	+0,19	−9.6131	−8.9121	1.2868	9.4175	136	299	ii. 116	....	....	M 36
329	132 32 47,0	19,36	0,105	+0,09	9.6960	+9.8147	1.2868	9.4176	....	....	v. 54	311	149	
330	43 33 32,8	19,35	0,132	−0,02	9.0374	−9.8447	1.2868	9.4187	134	298	ii. 117			
331	132 17 29,2	19,35	0,105	+0,16	9.6971	+9.8124	1.2867	9.4196	....	303	v. 55	312	153	R 46
332	100 58 42,5	19,35	0,115	+0,12	9.6777	+9.2642	1.2866	9.4203	141	300	ii. 118	....	....	J 20
333	152 34 36,9	19,34	0,092	−0,15	9.6381	+9.9325	1.2865	9.4223	....	....	.....	316	155	R 47
334	55 10 33,1	19,34	0,128	+0,07	−9.3122	−9.7409	1.2865	9.4224	140	301	ii. 119	....	152	P 32
335	26 35 48,7	19,33	0,147	.....	+8.6415	−9.9355	1.2863	9.4254	138	....	.....	....	....	B.F 119
336	71 8 35,2	19,33	0,124	0,00	−9.5114	−9.4935	1.2862	9.4256	144	308	ii. 120			
337	48 43 1,8	19,33	0,132	+0,04	−9.1770	−9.8034	1.2862	9.4257	143	306	iii. 81			
338	25 46 50,5	19,33	0,148	+0,01	+8.7118	−9.9384	1.2862	9.4262	139	305	iii. 80			
339	35 38 58,0	19,33	0,139	0,00	−8.5539	−9.8938	1.2861	9.4269	142	307	ii. 121			
340	146 3 1,5	19,32	0,099	+0,38	9.6668	+9.9027	1.2861	9.4274	....	....	ii. 123	318	156	J 21, R 48
341	75 7 38,8	19,32	0,124	+0,17	9.5447	−9.3932	1.2860	9.4286	....	311	ii. 122	....	....	B.F 129
342	99 42 22,9	19,31	0,119	+0,10	9.6751	+9.2104	1.2858	9.4315	147	2	ii. 124			
343	53 4 28,2	19,31	0,132	−0,06	9.2662	−9.7623	1.2858	9.4316	145	313	iii. 83			
344	88 21 13,4	19,31	0,122	−0,01	9.6294	−8.4418	1.2857	9.4326	148	3	ii. 125			
345	59 22 30,6	19,31	0,130	+0,03	9.3718	−9.6905	1.2857	9.4327	146	1	iii. 84			
346	81 14 44,5	19,30	0,124	−0,17	9.5884	−9.1658	1.2856	9.4340	....	4	iv. 130	....	....	M 37
347	147 23 38,0	19,30	0,099	−0,25	9.6655	+9.9088	1.2855	9.4345	....	....	v. 56	321	158	R 49
348	69 45 52,6	19,29	0,128	+0,01	9.4951	−9.5221	1.2854	9.4364	150	6	ii. 127			
349	60 42 30,6	19,29	0,131	+0,03	−9.3888	−9.6727	1.2854	9.4365	149	5	ii. 126			
350	10 53 23,7	19,29	0,198	−0,03	+9.2705	−9.9753	1.2854	9.4367	137	309	iii. 85	....	....	G 261
351	80 30 28,5	19,29	0,125	+0,11	−9.5830	−9.2003	1.2853	9.4379	....	8	ii. 128	....	....	M 38
352	45 27 45,6	19,28	0,138	+0,05	9.0652	−9.8288	1.2851	9.4398	....	9	iii. 86	....	....	G 264
353	148 29 22,7	19,28	0,099	+0,19	9.6645	+9.9136	1.2851	9.4404	....	....	v. 57	323	162	
354	147 39 31,8	19,28	0,100	−0,14	9.6678	+9.9096	1.2850	9.4410	....	....	v. 58	325	163	R 51
355	123 2 58,7	19,28	0,114	.....	9.7112	+9.7195	1.2850	9.4410	....	....	.....	....	....	R 50
356	93 2 51,8	19,28	0,123	−0,03	9.6514	+8.7085	1.2850	9.4410	152	10	iii. 87			
357	58 43 23,2	19,27	0,134	.....	9.3553	−9.6979	1.2848	9.4440	....	....	.....	....	....	B.F 136
358	60 43 59,7	19,26	0,133	+0,12	9.3844	−9.6716	1.2847	9.4452	153	11	iv. 132			
359	88 19 18,8	19,26	0,125	+0,14	−9.6290	−8.4490	1.2846	9.4457	154	13	ii. 130			
360	1 29 25,0	−19,25	+0,713	−0,02	+9.4289	−9.9821	−1.2845	+9.4470	102	263	ii. 115	....	....	G 235

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
361	36 Ceti	7	1 5 15,09	+3,021	−0,0002	+0,005	+8.8099	+8.2762	+0.4801	−7.9301
362	Sculptoris.....	6	5 18,42	2,839	−0,0115	+0,020	8.8757	8.3425	0.4532	−8.5950
363*	Cassiopeæ.....	6½	5 30,56	4,162	+0,1454	+0,009	9.2921	8.7603	0.6193	+9.2677
364	Tucanæ	6	5 35,01	1,776	−0,0118	−0,038	9.3591	8.8278	0.2493	−9.3414
365	85 Piscium.....φ	6	5 36,71	3,237	+0,0175	+0,001	8.8444	8.3133	0.5101	+8.4501
366	Sculptoris.....	6	5 48,89	2,795	−0,0135	+0,017	8.8978	8.3681	0.4464	−8.6671
367	Phœnicis	5½	5 50,87	2,768	−0,0148	+0,013	8.9131	8.3837	0.4421	−8.7087
368	86 Piscium .....ζ	6	5 54,05	3,116	+0,0071	+0,013	8.8088	8.2797	0.4936	+7.8809
369*	Piscium	7	5 55,44	3,116	+0,0071	+0,012	8.8087	8.2798	0.4936	+7.8811
370	87 Piscium	6½	6 9,95	3,175	+0,0119	−0,001	8.8213	8.2941	0.5017	+8.2437
371*	Ceti	7	6 23,19	3,014	−0,0006	.....	8.8101	8.2844	0.4792	−7.9756
372	37 Ceti	5½	6 50,71	3,012	−0,0006	+0,007	8.8102	8.2877	0.4788	−7.9914
373*	88 Piscium	6½	6 54,49	3,112	+0,0067	−0,001	8.8077	8.2856	0.4931	+7.8412
374	38 Ceti	6	7 9,74	3,059	+0,0027	−0,003	8.8052	8.2848	0.4855	−7.2970
375*	Ceti	8	7 28,94	2,955	−0,0043	.....	8.8233	8.3051	0.4705	−8.2795
376*	Cassiopeæ.....	7	7 40,63	4,274	+0,1613	.....	9.3167	8.7999	0.6309	+9.2952
377	Andromedæ.....	6	7 52,93	3,424	+0,0354	.....	8.9345	8.4190	0.5345	+8.7612
378*	Cassiopeæ.....	7	7 59,70	4,734	+0,2567	.....	9.4451	8.9304	0.6752	+9.4334
379*	Cassiopeæ.....	7	8 6,65	3,994	+0,1115	.....	9.2130	8.6991	0.6014	+9.1771
380	Phœnicis ..... ν	4½	8 25,15	2,659	−0,0182	+0,066	8.9651	8.4533	0.4247	−8.8245
381	Tucanæ	7	8 30,32	1,881	−0,0158	−0,098	9.3070	8.7957	0.2744	−9.2844
382*	Cassiopeæ.....	7	8 37,31	3,837	+0,0867	.....	9.1436	8.6331	0.5840	+9.0925
383	Phœnicis	7	8 50,37	2,475	−0,0226	.....	9.0613	8.5523	0.3935	−8.9820
384	39 Ceti	6	8 59,54	3,048	+0,0021	−0,005	8.8047	8.2967	0.4840	−7.5635
385*	Sculptoris.....	6	9 9,22	2,793	−0,0126	−0,003	8.8902	8.3833	0.4461	−8.6481
386	40 Ceti	6	9 18,34	3,049	+0,0022	+0,017	8.8044	8.2985	0.4842	−7.5326
387	Cassiopeæ.....	7	9 57,04	4,619	+0,2240	.....	9.4033	8.9017	0.6645	+9.3892
388	89 Piscium.....f	6	10 3,97	3,091	+0,0051	−0,001	8.8038	8.3030	0.4900	+7.4963
389	41 Ceti	7	10 10,51	3,011	−0,0003	+0,005	8.8080	8.3078	0.4787	−7.9752
390	Cassiopeæ.....	7½	10 28,09	3,704	+0,0666	+0,005	9.0719	8.5737	0.5686	+8.9975
391	34 Cassiopeæ.....φ	5½	10 40,70	3,706	+0,0668	−0,001	9.0720	8.5752	0.5689	+8.9978
392	Tucanæ .....κ	5	10 41,92	1,975	−0,0182	+0,114	9.2622	8.7655	0.2955	−9.2342
393*	Cassiopeæ.....	6	10 45,65	4,972	+0,3017	+0,015	9.4828	8.9865	0.6965	+9.4731
394	35 Cassiopeæ.....	6½	11 10,05	3,903	+0,0932	+0,038	9.1588	8.6651	0.5914	+9.1119
395	90 Piscium .....υ	5½	11 13,79	3,274	+0,0198	+0,002	8.8507	8.3575	0.5151	+8.4999
396	Tucanæ	6	11 20,16	2,046	−0,0199	−0,013	9.2332	8.7406	0.3108	−9.2010
397	Piscium	7½	11 38,57	3,089	+0,0050	0,000	8.8027	8.3122	0.4898	+7.4424
398	Tucanæ	5	11 50,37	2,090	−0,0206	+0,027	9.2138	8.7245	0.3202	−9.1784
399	Phœnicis	6	12 5,65	2,669	−0,0165	+0,019	8.9460	8.4584	0.4264	−8.7888
400	42 Ceti	6	12 8,33	3,061	+0,0032	+0,004	8.8021	8.3148	0.4859	−7.1572
401	91 Piscium i	6	12 50,37	3,292	+0,0210	+0,004	8.8555	8.3727	0.5175	+8.5264
402	Tucanæ	6	12 53,35	2,041	−0,0191	+0,072	9.2262	8.7436	0.3098	−9.1930
403*	Cassiopeæ.....	7½	12 54,50	4,362	+0,1651	.....	9.3130	8.8306	0.6397	+9.2913
404	46 Andromedæ ....ξ	4½	13 31,85	3,488	+0,0396	+0,005	8.9497	8.4713	0.5426	+8.7972
405	Ceti	7	1 14 53,53	+3,078	+0,0045	−0,009	+ 8.8004	+ 8.3305	+ 0.4882	+7.0161

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
361	97 34 45,4	−19,25	+0,124	−0,04	−9.6696	+9.1024	−1.2844	+9.4485	156	14	iii. 89			
362	121 35 47,6	19,25	0,116	+0,02	−9.7134	+9.7014	1.2843	9.4489	....	....	v. 59	326	166	
363	19 3 6,7	19,24	0,171	−0,02	+9.0962	−9.9575	1.2842	9.4502	151	12	iii. 88	....	....	G 271
364	163 45 13,2	19,24	0,073	−0,36	−9.5937	+9.9643	1.2842	9.4507	....	....	.....	332	169	R 52
365	66 12 40,0	19,24	0,133	−0,03	9.4521	−9.5877	1.2842	9.4509	157	15	ii. 131			
366	126 0 10,9	19,23	0,116	+0,07	9.7140	+9.7511	1.2841	9.4522	....	18	v. 60	327	167	
367	128 39 9,7	19,23	0,114	+0,01	9.7126	+9.7774	1.2840	9.4524	....	20	v. 61	328	168	
368	83 13 9,0	19,23	0,129	+0,06	9.5992	−9.0539	1.2840	9.4527	158	16	ii. 132	....	....	M 39
369	83 12 56,0	19,23	0,129	+0,02	9.5992	−9.0542	1.2840	9.4529	159	17	iv. 134	....	....	B.F 143
370	74 39 44,6	19,23	0,132	+0,03	9.5356	−9.4041	1.2839	9.4544	161	19	ii. 133			
371	98 24 58,5	19,22	0,126	.....	9.6731	+9.1470	1.2837	9.4558	....	....	.....	....	....	B.F 145
372	98 43 45,6	19,21	0,126	−0,33	9.6744	+9.1624	1.2835	9.4587	164	24	iii. 91			
373	83 47 56,4	19,21	0,131	0,00	9.6024	−9.0147	1.2834	9.4591	162	23	ii. 135	....	....	M 41 ?
374	91 46 41,1	19,20	0,129	−0,21	9.6462	+8.4728	1.2833	9.4607	165	25	ii. 136			
375	106 36 41,1	19,19	0,125	.....	−9.6980	+9.4371	1.2831	9.4627	....	....	.....	....	....	B.F 149
376	17 54 48,1	19,19	0,181	−0,02	+9.1566	−9.9592	1.2830	9.4639	160	....	.....	....	....	B 9
377	47 51 10,9	19,18	0,146	.....	−9.1000	−9.8074	1.2829	9.4652	....	....	.....	....	....	G 279
378	13 13 29,3	19,18	0,202	−0,11	+9.2679	−9.9689	1.2828	9.4659	155	....	.....	....	....	G 276
379	22 58 33,8	19,18	0,171	.....	+9.0009	−9.9446	1.2828	9.4666	....	....	.....	....	....	B.F 141
380	136 19 59,4	19,17	0,114	−0,36	−9.7096	+9.8397	1.2826	9.4685	....	....	v. 62	337	172	
381	161 41 7,3	19,17	0,081	+1,27	−9.6191	+9.9577	1.2825	9.4691	....	....	.....	349	173	R 53
382	27 14 16,4	19,16	0,165	.....	+8.8041	−9.9292	1.2825	9.4698	....	....	.....	....	....	B.H 438 ?
383	146 25 37,9	19,16	0,107	.....	−9.6871	+9.9009	1.2823	9.4711	....	....	.....	341 ?	....	R 54
384	93 17 23,9	19,15	0,132	+0,01	−9.6534	+8.7389	1.2822	9.4720	167	32	ii. 137			
385	124 56 31,4	19,15	0,121	−0,04	−9.7209	+9.7379	1.2821	9.4730	....	....	v. 63	339	174	
386	93 3 57,1	19,15	0,132	+0,09	−9.6524	+8.7081	1.2821	9.4740	168	33	ii. 138			
387	14 32 59,3	19,13	0,202	+0,05	+9.2598	−9.9653	1.2817	9.4779	163	....	.....	....	....	G 283
388	87 10 36,0	19,13	0,136	+0,01	−9.6218	−8.6718	1.2816	9.4785	171	36	ii. 139	....	....	M 42
389	98 27 5,3	19,12	0,132	−0,09	−9.6754	+9.1465	1.2815	9.4792	172	38	iii. 96			
390	32 34 56,8	19,11	0,164	+0,03	+8.3284	−9.9048	1.2814	9.4809	....	35	iv. 140	....	....	G 287
391	32 33 30,2	19,11	0,164	−0,02	+8.3483	−9.9048	1.2812	9.4822	169	37	iii. 97			
392	159 40 29,8	19,11	0,087	+0,01	−9.6389	+9.9511	1.2812	9.4823	....	....	.....	356	178	R 55
393	12 3 44,9	19,11	0,220	.....	+9.3149	−9.9693	1.2812	9.4827	166	....	.....	....	....	G 286
394	26 7 49,8	19,10	0,174	+0,02	+8.9201	−9.9319	1.2809	9.4851	170	40	iii. 98			
395	63 31 29,9	19,09	0,146	−0,05	−9.4018	−9.6278	1.2809	9.4855	173	41	ii. 140			
396	158 13 26,9	19,09	0,091	−0,12	9.6488	+9.9465	1.2808	9.4861	....	....	.....	359	179	
397	87 30 0,5	19,08	0,139	+0,13	9.6235	−8.6181	1.2807	9.4879	....	44	iii. 99	....	....	M 43
398	157 11 31,3	19,08	0,094	+0,24	9.6555	+9.9429	1.2805	9.4891	....	....	.....	361	180	R 56
399	134 7 22,4	19,07	0,121	−0,11	9.7217	+9.8209	1.2804	9.4905	....	....	v. 65	358	181	
400	91 17 52,3	19,07	0,138	−0,02	9.6443	+8.3332	1.2803	9.4908	175	47	ii. 141	....	....	M 44
401	62 2 48,1	19,05	0,150	+0,05	9.3744	−9.6486	1.2799	9.4949	176	48	ii. 142			
402	157 54 6,1	19,05	0,093	−0,13	−9.6561	+9.9445	1.2799	9.4951	....	....	.....	366	182	
403	17 56 24,3	19,05	0,199	+0,02	+9.2146	−9.9560	1.2799	9.4953	174	....	.....	....	....	B 10
404	45 15 34,4	19,03	0,160	+0,03	−8.9355	−9.8248	1.2795	9.4988	177	51	ii. 143			
405	89 3 29,6	−18,99	+0,144	+0,11	−9.6321	−8.1922	−1.2786	+9.5065	....	57	ii. 144	....	....	M 45

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
406	43 Ceti	6½	1 14 54,70	+3,061	+0,0034	+0,002	+8.8004	+8.3306	+0.4859	−7.1340
407	Phœnicis	7	14 56,16	2,627	−0,0168	−0,016	8.9579	8.4883	0.4195	−8.8143
408	Piscium	6½	14 57,63	3,100	+0,0060	−0,009	8.8013	8.3318	0.4914	+7.6397
409	47 Andromedæ	6	15 6,80	3,394	+0,0297	+0,010	8.8974	8.4289	0.5307	+8.6762
410	Piscium	7	15 6,89	3,121	+0,0073	+0,001	8.8031	8.3346	0.4942	+7.8651
411	Sculptoris	6	15 20,09	2,735	−0,0132	+0,011	8.9025	8.4354	0.4370	−8.6903
412	36 Cassiopeæ .....ψ	4½	15 24,24	4,106	+0,1173	+0,013	9.2143	8.7476	0.6134	+9.1794
413	92 Piscium	7½	15 47,47	3,204	+0,0134	+0,003	8.8192	8.3549	0.5056	+8.2860
414	Phœnicis	6	15 47,59	2,646	−0,0160	+0,022	8.9457	8.4814	0.4225	−8.7905
415	Sculptoris.....	6	15 53,17	2,739	−0,0129	+0,016	8.8995	8.4358	0.4375	−8.6828
416	37 Cassiopeæ.....δ	3	16 2,74	3,809	+0,0748	+0,044	9.0935	8.6307	0.5808	+9.0286
417	Tucanæ.....	6	16 24,90	2,316	−0,0207	−0,041	9.0991	8.6386	0.3647	−9.0362
418	Sculptoris.....	6	16 25,99	2,865	−0,0075	−0,003	8.8425	8.3822	0.4572	−8.4707
419	44 Ceti	6	16 29,82	3,003	−0,0002	+0,009	8.8044	8.3444	0.4776	−7.9884
420	45 Ceti .....θ	3	16 31,70	3,002	−0,0002	−0,002	8.8046	8.3448	0.4773	−7.9969
421	Sculptoris.....	6	16 32,25	2,800	−0,0103	+0,003	8.8695	8.4098	0.4471	−8.5904
422	Tucanæ.....	5	16 47,59	2,026	−0,0174	+0,015	9.2103	8.7521	0.3067	−9.1749
423	Phœnicis	6	17 0,33	2,677	−0,0146	−0,042	8.9261	8.4692	0.4277	−8.7494
424	Sculptoris.....	6	17 13,59	2,788	−0,0107	+0,017	8.8732	8.4177	0.4453	−8.6045
425	Andromedæ	6	17 30,38	3,480	+0,0369	+0,004	8.9322	8.4784	0.5415	+8.7634
426	Phœnicis	5	18 2,32	2,665	−0,0147	+0,001	8.9290	8.4784	0.4257	−8.7569
427	93 Piscium .....ϱ	5	18 10,60	3,219	+0,0144	−0,003	8.8209	8.3711	0.5078	+8.3199
428	Phœnicis	6	18 10,67	2,618	−0,0160	−0,002	8.9510	8.5012	0.4180	−8.8029
429	46 Ceti	5	18 14,70	2,948	−0,0030	+0,004	8.8139	8.3646	0.4695	−8.2376
430*	Piscium	7	18 16,97	3,227	+0,0149	+0,009	8.8232	8.3740	0.5089	+8.3422
431*	94 Piscium	5	18 36,06	3,221	+0,0144	+0,004	8.8208	8.3736	0.5080	+8.3214
432	48 Andromedæ ....ω	5	18 42,31	3,515	+0,0399	+0,035	8.9455	8.4989	0.5459	+8.7922
433*	Ceti	6½	18 46,91	3,061	+0,0035	+0,004	8.7978	8.3517	0.4859	−7.1112
434	Tucanæ.....	6	19 25,82	2,256	−0,0195	.....	9.1099	8.6676	0.3533	−9.0511
435	47 Ceti	6	19 27,47	2,959	−0,0023	+0,003	8.8101	8.3679	0.4711	−8.1888
436	Tucanæ.....	6	19 51,78	2,085	−0,0175	−0,051	9.1735	8.7338	0.3191	−9.1313
437	95 Piscium	7	19 52,85	3,107	+0,0065	−0,001	8.7984	8.3587	0.4924	+7.7004
438	38 Cassiopeæ.....A	5	20 9,01	4,295	+0,1390	+0,029	9.2523	8.8142	0.6330	+9.2238
439	Piscium	7	20 20,58	3,205	+0,0132	+0,008	8.8145	8.3776	0.5058	+8.2627
440	Piscium	7	20 31,17	3,129	+0,0079	0,000	8.8000	8.3641	0.4954	+7.8970
441	49 Andromedæ ....A	5	21 7,73	3,554	+0,0426	+0,002	8.9562	8.5239	0.5508	+8.8148
442	96 Piscium	6½	21 13,69	3,124	+0,0076	+0,001	8.7989	8.3671	0.4947	+7.8540
443*	Cassiopeæ	7	21 31,85	4,299	+0,1372	+0,025	9.2464	8.8164	0.6334	+9.2172
444*	Cassiopeæ.....	6	21 36,71	4,203	+0,1224	+0,032	9.2154	8.7859	0.6236	+9.1815
445	Sculptoris.....	7	21 45,61	2,794	−0,0093	.....	8.8612	8.4325	0.4462	−8.5689
446*	97 Piscium	6½	21 47,50	3,219	+0,0140	+0,005	8.8164	8.3880	0.5077	+8.2965
447	Phœnicis .....γ	3	21 51,16	2,618	−0,0149	+0,016	8.9393	8.5112	0.4179	−8.7818
448	98 Piscium .....μ	4½	22 19,80	3,115	+0,0070	+0,022	8.7972	8.3718	0.4934	+7.7682
449*	48 Ceti	6	22 24,34	2,877	−0,0058	+0,005	8.8293	8.4044	0.4589	−8.4104
450	Cassiopeæ.....	6	1 22 33,77	+3,988	+0,0913	.....	+9.1354	+8.7114	+0.6008	+9.0846

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
406	91 14 6,9	−18,99	+0,143	−0,01	−9.6442	+8.3100	−1.2786	+9.5066	181	58	ii. 145			
407	135 55 29,6	18,99	0,123	−0,78	9.7264	+9.8327	1.2786	9.5067	....	....	.....	371	....	R 58
408	86 2 51,1	18,99	0,145	+0,04	9.6136	−8.8147	1.2786	9.5069	....	59	iii. 102	....	....	M 46
409	53 4 8,8	18,99	0,159	−0,02	9.1861	−9.7550	1.2785	9.5077	179	55	iii. 103			
410	83 22 35,4	18,99	0,147	−0,17	9.5955	−9.0382	1.2785	9.5077	....	60	iii. 105	....	....	M 47
411	127 50 8,8	18,98	0,129	−0,12	−9.7330	+9.7638	1.2783	9.5090	....	....	v. 66	373	186	
412	22 39 18,5	18,98	0,194	−0,03	+9.1173	−9.9412	1.2783	9.5094	178	53	ii. 146			
413	72 57 51,0	18,97	0,152	0,00	−9.5049	−9.4426	1.2780	9.5115	182	63	iii. 106			
414	134 23 26,4	18,97	0,125	+0,02	−9.7302	+9.8206	1.2780	9.5115	....	65	v. 67	378	188	
415	127 22 46,5	18,97	0,130	−0,32	−9.7342	+9.7590	1.2780	9.5120	....	....	v. 68	376	190	
416	30 32 47,2	18,96	0,181	+0,04	+8.7774	−9.9108	1.2779	9.5129	180	62	ii. 147			
417	149 54 23,2	18,95	0,111	−0,59	−9.6997	+9.9125	1.2776	9.5149	....	....	.....	389	193	
418	115 8 20,9	18,95	0,137	+0,10	9.7259	+9.6036	1.2776	9.5150	....	68	iii. 107	381		
419	98 47 14,7	18,95	0,144	−0,05	9.6803	+9.1594	1.2776	9.5154	183	66	ii. 148			
420	98 57 30,1	18,95	0,144	+0,20	9.6810	+9.1677	1.2775	9.5155	184	67	ii. 149	....	....	J 22
421	121 43 43,0	18,95	0,134	+0,23	9.7336	+9.6962	1.2775	9.5156	....	....	v. 69	384	187	
422	157 10 19,1	18,94	0,097	+0,42	9.6735	+9.9397	1.2774	9.5170	....	....	.....	391	196	
423	131 44 14,2	18,93	0,129	+0,18	9.7350	+9.7983	1.2772	9.5181	....	....	v. 70	388	195	R 59
424	122 35 29,7	18,93	0,134	−0,08	9.7354	+9.7062	1.2771	9.5193	....	....	v. 71	386	192	
425	47 19 18,1	18,92	0,168	+0,04	8.9736	−9.8058	1.2769	9.5209	....	69	iii. 108	....	....	G 309
426	132 16 26,8	18,90	0,130	−0,04	9.7370	+9.8021	1.2765	9.5237	....	76	iii. 109	392	199	J 23
427	71 36 34,5	18,90	0,157	−0,06	9.4862	−9.4732	1.2765	9.5244	185	72	ii. 150	....	....	M 48
428	135 18 39,1	18,90	0,128	−0,01	9.7348	+9.8261	1.2765	9.5245	....	78	v. 72	395	201	R 60
429	105 22 50,6	18,90	0,144	−0,01	9.7052	+9.3978	1.2764	9.5248	190	75	ii. 152	....	....	J 24
430	70 42 33,6	18,90	0,158	+0,01	9.4755	−9.4932	1.2764	9.5250	187	73	iii. 110			
431	71 32 16,7	18,89	0,158	+0,01	9.4844	−9.4746	1.2762	9.5267	189	77	ii. 153	....	....	M 49
432	45 22 11,0	18,88	0,173	+0,10	8.8591	−9.8205	1.2761	9.5273	186	74	iii. 111			
433	91 10 45,3	18,88	0,151	.....	9.6442	+8.2872	1.2760	9.5277	191	....	ii. 154	....	....	W 93
434	150 51 50,6	18,86	0,112	.....	9.7059	+9.9146	1.2756	9.5311	....	....	.....	....	203	
435	103 50 15,3	18,86	0,147	−0,01	9.7013	+9.3521	1.2756	9.5312	192	82	ii. 155			
436	155 9 0,0	18,85	0,104	−0,06	9.6921	+9.9309	1.2753	9.5333	....	....	.....	409	205	R 61
437	85 25 21,6	18,85	0,155	+0,17	−9.6078	−8.8751	1.2753	9.5334	194	83	ii. 156			
438	20 30 36,0	18,84	0,215	+0,08	+9.2276	−9.9444	1.2751	9.5348	188	80	iii. 114			
439	73 41 51,8	18,84	0,161	+0,02	−9.5053	−9.4210	1.2750	9.5358	....	84	ii. 157	....	....	M 50
440	82 49 1,3	18,83	0,157	−0,03	9.5884	−9.0697	1.2749	9.5368	....	85	ii. 158	....	....	W 97
441	43 46 5,5	18,81	0,180	+0,03	8.6981	−9.8308	1.2744	9.5399	196	89	iii. 115			
442	83 28 52,8	18,81	0,158	+0,04	−9.5931	−9.0272	1.2744	9.5404	197	91	ii. 159			
443	20 45 20,7	18,80	0,218	+0,02	+9.2353	−9.9428	1.2741	9.5419	193	86	iv. 156	....	....	G 323
444	22 21 51,2	18,80	0,214	+0,08	+9.1967	−9.9379	1.2741	9.5424	....	88	iii. 116	....	....	B.H 442
445	120 40 42,0	18,79	0,142	.....	−9.7415	+9.6795	1.2740	9.5431	....	....	.....	....	....	R 63
446	72 25 12,7	18,79	0,164	−0,06	9.4888	−9.4518	1.2740	9.5433	198	92	ii. 160			
447	134 5 14,8	18,79	0,134	+0,15	9.7442	+9.8142	1.2739	9.5436	....	94	ii. 161	419	209	J 25, R 64
448	84 37 55,0	18,78	0,160	+0,18	9.6012	−8.9424	1.2736	9.5460	199	95	ii. 162	....	....	M 51
449	112 24 21,8	18,77	0,148	−0,01	−9.7286	+9.5524	1.2735	9.5464	200	96	ii. 163	423		
450	27 10 52,5	−18,77	+0,205	.....	+9.0622	−9.9204	−1.2734	+9.5472	....	....	.....	....	....	G 329

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
451*	Sculptoris.....	6	1 22 37,12	+2,837	−0,0075	−0,006	+8.8429	+8.4192	+0.4528	−8.4908
452	Sculptoris.....	6	23 18,85	2,829	−0,0077	+0,018	8.8446	8.4249	0.4516	−8.5014
453	99 Piscium ..... η	4	23 27,95	3,194	+0,0121	+0,006	8.8087	8.3898	0.5044	+8.2093
454	Piscium	7	23 47,31	3,156	+0,0096	−0,001	8.8010	8.3840	0.4991	+8.0455
455*	Piscium	8	23 57,87	3,210	+0,0132	+0,002	8.8117	8.3956	0.5065	+8.2569
456*	39 Cassiopeæ .... χ	5½	24 10,23	3,853	+0,0729	0,000	9.0754	8.6605	0.5858	+9.0059
457*	Cassiopeæ.....	•	24 30,76	6,001	+0,4970	−0,004	9.5835	9.1705	0.7782	+9.5777
458*	Sculptoris.....	6	24 32,26	2,784	−0,0091	.....	8.8595	8.4467	0.4446	−8.5683
459*	Piscium	7	24 36,07	3,165	+0,0101	.....	8.8018	8.3894	0.5004	+8.0867
460	Sculptoris.....	6	24 47,20	2,780	−0,0092	.....	8.8607	8.4493	0.4440	−8.5732
461	Phœnicis ..... δ	4	25 0,11	2,496	−0,0162	+0,013	8.9840	8.5738	0.3972	−8.8673
462	Phœnicis	6	25 7,03	2,478	−0,0165	.....	8.9913	8.5818	0.3942	−8.8798
463	Phœnicis	6	25 16,98	2,561	−0,0151	+0,009	8.9541	8.5455	0.4084	−8.8136
464	Piscium	7	25 26,50	3,134	+0,0082	−0,008	8.7967	8.3889	0.4961	+7.9088
465	Andromedæ.....	6	25 38,05	3,431	+0,0298	+0,006	8.8875	8.4809	0.5355	+8.6615
466	Sculptoris.....	5½	26 13,31	2,692	−0,0117	+0,008	8.8938	8.4904	0.4301	−8.6796
467	Phœnicis	5½	26 27,32	2,473	−0,0161	−0,019	8.9887	8.5866	0.3933	−8.8761
468*	40 Cassiopeæ.....	5½	26 37,53	4,614	+0,1785	−0,008	9.3086	8.9074	0.6641	+9.2874
469	Piscium	6	26 42,82	3,228	+0,0142	+0,017	8.8131	8.4125	0.5090	+8.2959
470	100 Piscium	7	26 53,86	3,174	+0,0107	0,000	8.8012	8.4015	0.5016	+8.1115
471	Piscium	7½	27 0,87	3,136	+0,0083	−0,008	8.7956	8.3966	0.4964	+7.9115
472*	Ceti	7½	27 5,01	3,072	+0,0046	.....	8.7918	8.3932	0.4875	+6.3008
473*	Cassiopeæ.....	7	27 8,10	5,255	+0,3002	+0,007	9.4464	9.0481	0.7206	+9.4355
474*	Andromedæ.....	6	27 18,29	3,622	+0,0462	−0,005	8.9657	8.5683	0.5589	+8.8365
475	49 Ceti	5½	27 18,37	2,924	−0,0029	+0,009	8.8097	8.4124	0.4660	−8.2617
476	101 Piscium	6	27 45,61	3,194	+0,c119	+0,002	8.8042	8.4093	0.5044	+8.1846
477	Piscium	6	27 48,31	3,220	+0,0136	+0,011	8.8099	8.4152	0.5079	+8.2674
478	Phœnicis	6	27 59,82	2,544	−0,0146	+0,030	8.9530	8.5594	0.4054	−8.8133
479	Sculptoris.....	6	28 0,15	2,750	−0,0095	−0,006	8.8658	8.4722	0.4393	−8.5979
480	50 Andromedæ.....	5	28 0,79	3,501	+0,0349	−0,012	8.9110	8.5175	0.5442	+8.7249
481	Piscium	6½	28 12,20	3,131	+0,0080	+0,001	8.7941	8.4016	0.4957	+7.8723
482*	Cassiopeæ.....	6	28 22	3,851	+0,0692	.....	9.0570	8.6654	0.5856	+8.9816
483	Eridani.....	6	28 27,47	2,236	−0,0164	−0,662	9.0777	8.6866	0.3495	−9.0103
484	Eridani.....	6	28 33,34	2,272	−0,0164	−0,046	9.0636	8.6731	0.3563	−8.9909
485	50 Ceti	6	28 40,07	2,924	−0,0027	+0,003	8.8081	8.4181	0.4660	−8.2529
486	Hydri	6	28 47,63	2,069	−0,0145	−0,148	9.1370	8.7477	0.3158	−9.0878
487	51 Andromedæ.....	3½	28 48,67	3,629	+0,0462	+0,010	8.9638	8.5746	0.5598	+8.8340
488	102 Piscium ..... π	5	29 9,21	3,173	+0,0104	−0,002	8.7988	8.4115	0.5014	+8.0937
489	Sculptoris.....	6	29 12,29	2,770	−0,0086	−0,001	8.8556	8.4686	0.4424	−8.5634
490*	Piscium	7½	29 42,55	3,173	+0,0105	+0,016	8.7983	8.4139	0.5014	+8.0909
491	Ceti	6	30 8,01	2,979	−0,0001	+0,026	8.7963	8.4142	0.4740	−8.0434
492	52 Andromedæ .. χ	6	30 22,64	3,560	+0,0393	+0,002	8.9295	8.5488	0.5515	+8.7683
493	Phœnicis	6	30 39,48	2,466	−0,0150	−0,043	8.9771	8.5978	0.3920	−8.8586
494*	Ursæ Minoris	6	30 42,89	10,801	+2,4979	+0,068	9.9660	9.5869	1.0335	+9.9650
495	103 Piscium	7½	1 31 10,79	+3,218	+0,0132	+0,001	+8.8055	+8.4290	+0.5076	+8.2422

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
451	116 23 42,6	−18,77	+0,146	+0,02	−9.7368	+9.6191	−1.2734	+9.5475	201	....	ii. 164	425?	....	B 11
452	116 59 1,9	18,74	0,147	−0,01	9.7388	+9.6275	1.2729	9.5509	....	99	v. 74	427	210	
453	75 25 45,0	18,74	0,166	−0,02	9.5190	−9.3712	1.2728	9.5517	203	98	ii. 166	....	....	M 52
454	79 53 15,2	18,73	0,165	+0,12	9.5616	−9.2148	1.2725	9.5533	....	101	iii. 118	....	....	M 53
455	73 48 53,0	18,72	0,168	.....	−9.5009	−9.4154	1.2724	9.5542	204	....	.....	....	....	L 192
456	31 32 24,1	18,72	0,202	+0,03	+8.8976	−9.9006	1.2723	9.5552	202	100	iii. 119			
457	9 20 18,9	18,71	0,316	.....	+9.4553	−9.9640	1.2720	9.5569	195	....	.....	....	....	B 12
458	120 45 37,6	18,71	0,146	.....	−9.7461	+9.6786	1.2720	9.5570	....	....	v 75	....	214	R 65
459	78 53 24,5	18,70	0,167	.....	9.5518	−9.2546	1.2719	9.5573	....	....	.....	....	....	B.F 182
460	121 3 20,7	18,70	0,147	.....	9.7469	+9.6821	1.2718	9.5582	....	....	v. 76			
461	139 51 15,6	18,69	0,132	−0,08	9.7458	+9.8528	1.2716	9.5592	....	....	ii. 167	440	216	J 26, R 66
462	140 40 29,5	18,69	0,131	.....	9.7448	+9.8578	1.2716	9.5598	....	....	v. 77	....	217	
463	136 20 55,7	18,68	0,136	−0,14	9.7503	+9.8287	1.2714	9.5606	....	....	v. 78	442	219	
464	82 33 42,0	18,68	0,167	+0,04	9.5833	−9.0812	1.2713	9.5614	....	107	ii. 168	....	....	M 54
465	53 31 59,6	18,67	0,183	−0,05	9.1206	−9.7430	1.2712	9.5623	....	104	iv. 158	....	....	A 40
466	127 38 12,8	18,65	0,144	+0,14	9.7544	+9.7543	1.2707	9.5651	....	109	v. 79	447	220	
467	140 29 45,1	18,65	0,133	−0,14	−9.7484	+9.8557	1.2706	9.5663	....	....	v. 80	450	221	R 67
468	17 43 35,9	18,64	0,248	−0,02	+9.3412	−9.9471	1.2704	9.5671	206	106	iii. 123			
469	72 18 24,0	18,64	0,174	+0,12	−9.4787	−9.4509	1.2704	9.5675	....	110	ii. 169	....	....	W 104
470	78 12 37,1	18,63	0,171	−0,04	9.5431	−9.2783	1.2702	9.5684	208	111	ii. 170			
471	82 29 43,2	18,63	0,170	+0,09	9.5818	−9.0839	1.2701	9.5689	....	114	iv. 160	....	....	M 55
472	89 48 53,8	18,62	0,166	.....	−9.6363	−7.4769	1.2701	9.5693	....	....	.....	....	....	B.F 185
473	12 47 46,1	18,62	0,284	−0,03	+9.4246	−9.9569	1.2700	9.5695	205	105	iii. 125			
474	42 2 45,2	18,62	0,196	+0,05	−8.1614	−9.8385	1.2699	9.5703	207	113	iii. 126	....	....	G 343
475	106 26 47,1	18,62	0,159	−0,02	9.7173	+9.4197	1.2699	9.5703	210	117	ii. 171			
476	76 6 24,9	18,60	0,174	−0,02	9.5206	−9.3478	1.2696	9.5725	211	118	ii. 172			
477	73 20 5,9	18,60	0,176	−0,07	9.4893	−9.4249	1.2695	9.5727	....	120	ii. 173	....	....	W 107
478	136 27 45,8	18,60	0,139	−0,40	9.7563	+9.8275	1.2694	9.5736	....	....	v. 83	460	225	
479	122 39 34,9	18,59	0,150	+0,03	9.7540	+9.6993	1.2694	9.5736	....	....	v. 82	457	224	
480	49 20 48,2	18,59	0,191	+0,37	8.9299	−9.7811	1.2694	9.5736	209	119	ii. 174	....	....	P 44
481	83 7 25,1	18,59	0,171	−0,03	−9.5864	−9.0452	1.2692	9.5745	....	123	ii. 175	....	....	W 108
482	32 48	18,58	0,211	.....	+8.9085	−9.8915	1.2691	9.5753	....	....	.....	....	....	A
483	148 54 22,3	18,58	0,123	+0,08	−9.7376	+9.8995	1.2690	9.5757	....	....	v. 85	468	229	
484	147 46 1,9	18,58	0,125	−0,97	9.7406	+9.8941	1.2690	9.5762	....	....	v. 84	464	226	
485	106 10 8,2	18,57	0,161	−0,03	9.7176	+9.4114	1.2689	9.5767	213	125	ii. 177	....	....	
486	153 14 15,9	18,57	0,114	−1,13	9.7265	+9.9173	1.2688	9.5773	....	....	.....	467	228	R 68
487	42 8 1,9	18,57	0,200	+0,12	8.0374	−9.8367	1.2688	9.5774	212	124	ii. 176			
488	78 37 35,7	18,56	0,176	−0,08	9.5448	−9.2612	1.2685	9.5790	214	126	ii. 178	....	....	M 56
489	120 40 38,8	18,56	0,153	−0,01	9.7534	+9.6740	1.2685	9.5792	....	127	v. 86	462	227	
490	78 41 15,3	18,54	0,177	0,00	9.5449	−9.2585	1.2681	9.5815	217	128	iv. 163	....	....	M 57
491	100 10 30,8	18,52	0,167	+0,03	9.6944	+9.2127	1.2677	9.5835	....	131	ii. 179	....	....	W 110
492	46 22 45,3	18,52	0,200	0,00	8.6911	−9.8041	1.2675	9.5846	218	129	iii. 130			
493	139 34 12,7	18,51	0,139	−0,22	−9.7594	+9.8466	1.2673	9.5858	....	....	v. 87	473	233	
494	3 48 53,2	18,51	0,607	+0,04	+9.5512	−9.9641	1.2673	9.5861	....	....	.....	....	....	G 339, P 45
495	74 8 13,4	−18,49	+0,182	−0,01	−9.4935	−9.4014	−1.2669	+9.5882	219	135	iv. 165			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
496	104 Piscium	6½	1 31 13,58	+3,195	+0,0118	+0,008	+8.8008	+8.4245	+0.5045	+8.1697
497	Eridani.....	6	31 15,25	2,207	−0,0154	+0,010	9.0772	8.7011	0.3437	−9.0104
498	43 Cassiopeæ.....ω	6	31 18,51	4,310	+0,1234	+0,006	9.2017	8.8259	0.6344	+9.1666
499	42 Cassiopeæ.....	6	31 23,99	4,486	+0,1488	+0,022	9.2515	8.8762	0.6519	+9.2241
500	105 Piscium	6	31 35,69	3,216	+0,0131	+0,006	8.8047	8.4304	0.5074	+8.2354
501	Andromedæ	6	31 40,73	3,548	+0,0378	.....	8.9208	8.5470	0.5500	+8.7508
502	53 Andromedæ .... τ	5	31 44,87	3,505	+0,0341	+0,011	8.9027	8.5292	0.5447	+8.7091
503	Sculptoris.....	5½	31 47,43	2,674	−0,0108	−0,004	8.8874	8.5141	0.4271	−8.6697
504	Sculptoris.....	6	31 47,85	2,819	−0,0064	+0,017	8.8337	8.4605	0.4501	−8.4722
505	Phœnicis	6	31 47,99	2,515	−0,0140	+0,040	8.9531	8.5799	0.4005	−8.8161
506	Phœnicis	6	32 6,92	2,571	−0,0130	−0,019	8.9287	8.5571	0.4101	−8.7680
507	Eridani.....α	1	32 7,23	2,234	−0,0153	+0,004	9.0636	8.6921	0.3490	−8.9921
508	Cassiopeæ.....	7	32 23,29	3,906	+0,0722	−0,014	9.0618	8.6917	0.5917	+8.9896
509	Cassiopeæ.....	7	32 31,79	3,973	+0,0795	+0,028	9.0858	8.7164	0.5991	+9.0224
510*	Andromedæ	5½	32 40,47	3,542	+0,0369	+0,080	8.9154	8.5468	0.5492	+8.7397
511	Piscium	7	32 41,05	3,145	+0,0087	−0,003	8.7916	8.4231	0.4976	+7.9351
512*	Hydri	5½	32 50,16	0,291	+0,1221	.....	9.5173	9.1495	9.4632	−9.5096
513	Phœnicis	6	32 59,42	2,339	−0,0152	−0,023	9.0200	8.6531	0.3690	−8.9291
514*	Trianguli	6½	33 11,75	3,367	+0,0231	+0,006	8.8464	8.4805	0.5273	+8.5359
515*	44 Cassiopeæ.....	6	33 13,59	3,979	+0,0797	+0,027	9.0853	8.7195	0.5998	+9.0219
516*	Andromedæ	5½	33 24,13	3,435	+0,0281	.....	8.8707	8.5059	0.5359	+8.6237
517	Piscium	8	33 31,72	3,148	+0,0089	−0,005	8.7913	8.4271	0.4980	+7.9513
518	106 Piscium ..... ν	5	33 37,80	3,115	+0,0071	+0,002	8.7881	8.4245	0.4934	+7.7040
519	1 Trianguli	7	33 39,13	3,362	+0,0227	+0,005	8.8437	8.4802	0.5266	+8.5258
520	Hydri	5½	33 55,96	1,853	−0,0082	+0,015	9.1834	8.8214	0.2678	−9.1454
521	Eridani.....	5½	34 6,82	2,250	−0,0148	+0,025	9.0496	8.6885	0.3522	−8.9730
522	54 Andromedæ	4	34 17,29	3,706	+0,0508	+0,010	8.9774	8.6172	0.5689	+8.8612
523	107 Piscium	5½	34 21,83	3,261	+0,0157	−0,018	8.8118	8.4519	0.5133	+8.3361
524*	Piscium	8	34 22,42	3,214	+0,0128	.....	8.8011	8.4413	0.5071	+8.2147
525*	Cassiopeæ.....	7	34 25,67	3,888	+0,0688	.....	9.0473	8.6878	0.5897	+8.9698
526*	Phœnicis	5½	34 52,20	2,637	−0,0110	+0,005	8.8944	8.5372	0.4211	−8.6923
527	Sculptoris.....	6	35 22,73	2,719	−0,0089	+0,028	8.8620	8.5074	0.4343	−8.5991
528	Sculptoris.....	6	35 25,71	2,654	−0,0105	−0,011	8.8862	8.5318	0.4240	−8.6715
529	Phœnicis	5½	35 42,14	2,406	−0,0141	+0,009	8.9841	8.6312	0.3813	−8.8734
530	Eridani.....	6	36 31,58	2,241	−0,0142	.....	9.0437	8.6950	0.3504	−8.9655
531	Hydri	5½	36 39,55	2,060	−0,0123	+0,033	9.1061	8.7581	0.3140	−9.0503
532	Eridani .....q^1	5½	36 42,68	2,303	−0,0142	+0,012	9.0200	8.6722	0.3623	−8.9307
533	109 Piscium	6½	36 44,65	3,263	+0,0157	−0,003	8.8092	8.4616	0.5136	+8.3291
534*	Phœnicis	6½	36 47,03	2,381	−0,0140	.....	8.9902	8.6428	0.3767	−8.8840
535*	Cassiopeæ.....	6	36 52,95	4,152	+0,0963	+0,007	9.1285	8.7816	0.6183	+9.0788
536	52 Ceti ..... τ	3½	37 6,09	2,905	−0,0024	−0,117	8.8025	8.4567	0.4632	−8.2617
537	110 Piscium ..... o	5	37 28,72	3,152	+0,0091	+0,010	8.7881	8.4442	0.4986	+7.9527
538*	3 Arietis	6½	38 27,17	3,237	+0,0140	+0,002	8.8012	8.4621	0.5102	+8.2586
539	Ceti	6	38 27,81	3,007	+0,0020	+0,009	8.7853	8.4464	0.4782	−7.8382
540	Andromedæ	6	1 38 37,06	+3,638	+0,0427	+0,012	+8.9366	+ 8.5984	+0.5608	+8.7897

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
496	76 28 35,4	−18,49	+0,181	−0,01	−9.5202	−9.3336	−1.2669	+9.5884	220	136	ii. 180			
497	149 2 17,3	18,49	0,125	+0,23	−9.7449	+9.8979	1.2668	9.5885	....	....	v. 89	479	235	
498	22 43 2,8	18,48	0,244	−0,04	+9.2794	−9.9295	1.2668	9.5888	216	133	iii. 132			
499	20 8 19,1	18,48	0,254	+0,02	+9.3328	−9.9371	1.2667	9.5892	215	132	iii. 133			
500	74 21 25,2	18,47	0,183	0,00	−9.4955	−9.3951	1.2666	9.5901	223	138	ii. 181			
501	47 27 46,9	18,47	0,202	.....	8.7521	−9.7943	1.2665	9.5904	....	....	.....	....	....	G 360
502	50 11 8,1	18,47	0,199	+0,09	8.9232	−9.7706	1.2665	9.5908	221	137	iii. 134			
503	127 17 13,4	18,47	0,152	+0,12	9.7646	+9.7465	1.2664	9.5909	....	141	v. 90	476	237	
504	115 47 13,0	18,47	0,160	+0,06	9.7484	+9.6027	1.2664	9.5910	....	140	iii. 135	475		
505	136 50 49,4	18,47	0,143	−0,45	9.7644	+9.8272	1.2664	9.5910	....	....	v. 91	478	236	
506	133 41 29,8	18,46	0,147	+0,25	9.7664	+9.8033	1.2662	9.5924	....	....	v. 92	481	238	
507	148 0 0,5	18,46	0,127	+0,01	−9.7496	+9.8924	1.2662	9.5924	....	....	ii. 182	484	239	J 27, R 69
508	32 7 58,7	18,45	0,224	.....	+9.0060	−9.8915	1.2659	9.5936	222	...	.....	....	....	A (G)
509	30 12 45,1	18,44	0,228	+0,02	+9.0831	−9.9002	1.2658	9.5942	....	139	iv. 166	....	....	G 362
510	48 8 26,2	18,44	0,203	+0,06	−8.7832	−9.7878	1.2657	9.5949	....	142	iii. 137	....	....	B.H 20
511	82 0 6,5	18,44	0,180	+0,04	9.5739	−9.1069	1.2657	9.5949	....	144	ii. 183	....	....	M 58
512	169 16 6,4	18,43	0,017	+0,53	9.6703	+9.9557	1.2656	9.5956	....	....	.....	505	242	
513	144 12 1,4	18,43	0,135	+0,18	9.7588	+9.8723	1.2655	9.5963	....	....	v. 93	481	240	
514	60 42 33,9	18,42	0,194	−0,14	−9.2672	−9.6526	1.2653	9.5972	225	....	.....	....	....	B.H 31?
515	30 12 28,3	18,42	0,230	+0,03	+9.0920	−9.8997	1.2653	9.5973	224	143	iii. 138			
516	55 30 48,1	18,41	0,199	.....	−9.1248	−9.7159	1.2651	9.5981	....	....	.....	....	....	B.H 1396
517	81 41 18,0	18,41	0,182	+0,06	9.5705	−9.1228	1.2650	9.5986	....	149	iv. 169	....	....	M 59
518	85 16 25,1	18,40	0,180	+0,02	9.6018	−8.8786	1.2649	9.5991	228	150	ii. 184	....	....	M 60
519	61 15 15,4	18,40	0,195	+0,05	9.2774	−9.6448	1.2649	9.5992	....	148	iii. 139	....	....	B.H 31?
520	156 22 16,7	18,39	0,108	+0,43	9.7316	+9.9244	1.2647	9.6004	....	....	.....	499	244	
521	146 57 22,1	18,39	0,131	−0,23	−9.7568	+9.8857	1.2645	9.6012	....	....	v. 95	495	243	
522	40 4 10,6	18,38	0,216	+0,03	+8.4249	−9.8460	1.2644	9.6020	227	151	ii. 185			
523	70 27 45,6	18,38	0,190	+0,66	−9.4397	−9.4864	1.2643	9.6023	229	154	ii. 186	....	....	A 46
524	74 58 46,2	18,38	0,188	.....	−9.4989	−9.3757	1.2643	9.6023	....	....	.....	....	....	Z 2
525	33 13 13,8	18,38	0,227	+0,08	+8.9877	−9.8845	1.2643	9.6026	226	....	.....	....	....	B 13
526	128 53 41,5	18,36	0,155	−0,01	−9.7712	+9.7596	1.2639	9.6045	....	156	v. 96	496	245	
527	123 5 3,1	18,34	0,160	−0,02	9.7666	+9.6983	1.2635	9.6067	....	157	v. 97	500	246	
528	127 35 26,8	18,34	0,157	+0,12	9.7713	+9.7466	1.2634	9.6069	....	158	v. 98	501	247	
529	140 47 46,3	18,33	0,142	−0,24	9.7698	+9.8502	1.2632	9.6080	....	....	v. 99	502	248	
530	146 37 29,3	18,30	0,134	.....	9.7635	+9.8820	1.2625	9.6116	....	....	.....	....	....	R 70
531	151 33 6,0	18,30	0,123	+0,73	9.7533	+9.9043	1.2624	9.6121	....	....	.....	507	250	
532	144 29 45,1	18,30	0,138	+0,41	9.7675	+9.8708	1.2624	9.6123	....	....	v. 100	506	249	R 71
533	70 40 4,1	18,30	0,195	+0,08	9.4376	−9.4800	1.2623	9.6125	231	162	ii. 187			
534	141 32 26,8	18,29	0,142	.....	−9.7714	+9.8539	1.2623	9.6126	....	....	.....	....	....	R 72
535	26 53 22,0	18,29	0,248	+0,14	+9.2294	−9.9103	1.2622	9.6131	....	159	iii. 144	....	....	B.F 203
536	106 43 43,5	18,28	0,174	−0,87	−9.7275	+9.4190	1.2620	9.6140	233	163	ii. 188	....	....	J 28
537	81 35 56,3	18,27	0,190	−0,04	9.5670	−9.1241	1.2617	9.6156	232	164	ii. 189	....	....	M 61
538	73 20 26,7	18,23	0,197	−0,01	9.4717	−9.4160	1.2609	9.6196	234	....	.....	....	....	A 48
539	96 29 5,9	18,23	0,183	0,00	9.6796	+9.0115	1.2608	9.6197	....	167	ii. 190	....	....	W 114
540	44 31 13,8	−18,23	+0,221	+0,12	−7.8389	−9.8116	−1.2607	+9.6203	....	166	iii. 145	....	....	G 382

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
541	Sculptoris..... *s*	5	1 38 37,35	+2,801	−0,0059	+0,018	+8.8280	+8.4898	+0.4473	−8.4668
542	Piscium	7½	39 12,02	3,170	+0,0101	+0,001	8.7887	8.4534	0.5011	+8.0322
543	Hydri	6	39 31,54	2,023	−0,0110	+0,032	9.1068	8.7731	0.3059	−9.0518
544	Andromedæ.....	6	39 48,74	3,499	+0,0312	+0,010	8.8802	8.5479	0.5439	+8.6617
545*	Cassiopeæ.....	7	39 58,76	5,609	+0,3276	+0,047	9.4443	9.1128	0.7489	+9.4338
546	4 Arietis	6½	40 3,20	3,235	+0,0137	+0,006	8.7988	8.4677	0.5099	+8.2445
547*	Andromedæ.....	6	40 9	3,681	+0,0457	.....	8.9485	8.6179	0.5659	+8.8137
548	Phœnicis	5½	40 12,82	2,357	−0,0133	−0,024	8.9875	8.6572	0.3724	−8.8814
549*	Arietis	8	40 13,94	3,236	+0,0137	+0,001	8.7987	8.4686	0.5100	+8.2462
550	Eridani.....q^2	5	40 23,30	2,282	−0,0133	+0,005	9.0145	8.6851	0.3583	−8.9240
551	Piscium	6½	40 40,09	3,100	+0,0064	+0,003	8.7812	8.4531	0.4913	+7.4904
552	Phœnicis	6	40 55,46	2,548	−0,0113	−0,005	8.9128	8.5860	0.4062	−8.7426
553	Phœnicis	6	41 15,03	+2,625	−0,0099	+0,007	8.8830	8.5578	+0.4192	−8.6715
554	Hydri	5½	41 21,14	−0,142	+0,1705	+0,015	9.5360	9.2114	−9.1511	−9.5293
555	Persei	6	41 22,61	+3,782	+0,0541	+0,010	8.9829	8.6583	+0.5777	+8.8746
556	1 Arietis	6	41 51,91	+3,297	+0,0172	+0,009	8.8109	8.4888	+0.5182	+8.3756
557	Octantis	6	42 5,30	−2,177	+0,5985	+0,004	9.7414	9.4203	−0.3378	−9.7388
558	1 Persei	5½	42 10,07	+3,876	+0,0624	+0,004	9.0143	8.6936	+0.5884	+8.9244
559	53 Ceti .....χ	5	42 13,23	2,954	+0,0001	−0,008	8.7879	8.4675	0.4704	−8.0850
560	2 Persei.....g	6	42 38,71	3,762	+0,0517	+0,006	8.9712	8.6528	0.5754	+8.8557
561	54 Ceti	6	42 54,75	3,176	+0,0104	−0,005	8.7856	8.4686	0.5019	+8.0379
562*	Persei	6½	43 16,74	3,783	+0,0532	−0,006	8.9769	8.6616	0.5778	+8.8657
563	Phœnicis	6	43 20,41	2,596	−0,0100	−0,001	8.8887	8.5737	0.4143	−8.6891
564	45 Cassiopeæ..... *s*	3	43 39,33	4,214	+0,0968	+0,007	9.1198	8.8063	0.6247	+9.0694
565	55 Ceti .....ζ	3	44 3,54	2,956	+0,0002	+0,004	8.7857	8.4742	0.4707	−8.0693
566*	55 Andromedæ.....	5½	44 18,52	3,564	+0,0348	−0,001	8.8929	8.5826	0.5519	+8.7009
567	Phœnicis	6	44 18,82	2,405	−0,0121	−0,007	8.9566	8.6463	0.3811	−8.8314
568	46 Cassiopeæ.....	6	44 25,44	4,523	+0,1339	+0,001	9.2026	8.8928	0.6554	+9.1696
569	2 Trianguli .....α	3½	44 32,58	3,395	+0,0230	+0,004	8.8346	8.5254	0.5308	+8.5181
570*	Phœnicis	6	45 2,31	2,564	−0,0102	−0,002	8.8961	8.5892	0.4089	−8.7093
571	Phœnicis	6	45 5,45	2,341	−0,0122	+0,005	8.9772	8.6706	0.3694	−8.8674
572	5 Arietis .....γ^1	4½	45 18,44	3,270	+0,0153	+0,007	8.7995	8.4940	0.5145	+8.3023
573*	5 Arietis .....γ^2	4½	45 18,46	3,270	+0,0153	+0,009	8.7995	8.4940	0.5145	+8.3023
574	111 Piscium .....ξ	5½	45 47,67	3,096	+0,0064	+0,003	8.7763	8.4731	0.4908	+7.4063
575*	Andromedæ.....	7	45 52,95	3,570	+0,0348	.....	8.8913	8.5885	0.5527	+8.6991
576	Andromedæ.....	6	46 6,71	3,511	+0,0305	+0,002	8.8698	8.5681	0.5454	+8.6431
577	6 Arietis .....β	3	46 21,82	3,289	+0,0164	+0,008	8.8026	8.5020	0.5171	+8.3381
578	Phœnicis	6	46 55,98	2,578	−0,0096	+0,030	8.8864	8.5885	0.4112	−8.6884
579*	Andromedæ.....	6	47 3,13	3,517	+0,0307	+0,004	8.8697	8.5725	0.5461	+8.6445
580	56 Andromedæ.....	5½	47 15,70	3,517	+0,0307*	+0,016	8.8694	8.5731	0.5462	+8.6439
581	7 Arietis	6	47 29,61	3,325	+0,0183	0,000	8.8097	8.5145	0.5218	+8.3988
582	Phœnicis	5	47 37,92	2,421	−0,0112	−0,009	8.9407	8.6461	0.3840	−8.8051
583*	Cassiopeæ.....	6	47 57,67	+5,738	+0,3253	.....	9.4278	9.1348	+0.7588	+9.4169
584*	Octantis	6	48 0,91	−4,331	+1,2446	.....	9.8613	9.5686	−0.6366	−9.8599
585	Phœnicis .....φ	5	1 48 8,43	+2,499	−0,0104	−0,008	+ 8.9112	+ 8.6190	+0.3978	−8.7469

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
541	115 48 12,6	−18,23	+0,170	−0,01	−9.7576	+9.5973	−1.2607	+9.6203	....	168	ii. 191	511	....	J 29, P 53
542	79 54 31,2	18,21	0,194	+0,06	9.5488	−9.2016	1.2602	9.6227	....	169	iv. 175	....	....	M 62
543	151 46 33,5	18,19	0,124	+0,57	9.7604	+9.9027	1.2599	9.6240	....	....	.....	516	252	
544	52 47 45,1	18,18	0,215	−0,01	−8.9567	−9.7390	1.2597	9.6252	....	170	iii. 147	....	....	A 49
545	12 32 48,5	18,18	0,346	+0,01	+9.5026	−9.9468	1.2595	9.6259	230	165	iii. 146	....	....	G 383
546	73 47 32,2	18,17	0,200	−0,04	−9.4752	−9.4030	1.2595	9.6262	235	172	ii. 192			
547	42 51	18,17	0,227	.....	+8.1818	−9.8223	1.2594	9.6266	....	....	.....	....	....	A
548	141 33 58,8	18,17	0,146	−0,04	−9.7792	+9.8510	1.2593	9.6268	....	....	v. 102	520	253	R 73
549	73 43 42,3	18,17	0,200	−0,09	9.4741	−9.4045	1.2593	9.6269	236	174	iv. 177			
550	144 16 37,6	18,16	0,141	+0,19	9.7766	+9.8664	1.2592	9.6275	....	....	v. 103	523	254	R 74
551	87 3 55,3	18,15	0,192	+0,01	9.6145	−8.6659	1.2589	9.6287	....	175	iii. 148			
552	132 30 42,8	18,14	0,158	−0,09	9.7839	+9.7862	1.2587	9.6297	....	....	v. 104	524	255	
553	127 54 31,8	18,13	+0,164	−0,11	9.7818	+9.7446	1.2584	9.6310	....	178	v. 105	526	257	
554	169 54 0,7	18,13	−0,009	−0,59	−9.6967	+9.9493	1.2583	9.6314	....	....	.....	551	259	R 75
555	38 48 30,7	18,13	+0,236	+0,07	+8.7896	−9.8477	1.2583	9.6315	....	176	iii. 149	....	....	G 384, A 50
556	68 28 12,4	18,11	+0,207	−0,09	−9.3908	−9.5203	1.2578	9.6335	....	179	ii. 193	....	....	W 116
557	173 44 5,8	18,10	−0,137	−0,40	−9.6773	+9.9528	1.2576	9.6343	....	....	.....	576	262	
558	35 35 53,6	18,10	+0,244	+0,05	+8.9912	−9.8655	1.2576	9.6347	237	177	iii. 151			
559	101 25 49,0	18,09	0,186	+0,09	−9.7083	+9.2523	1.2575	9.6349	242	183	ii. 194	....	....	J 30
560	39 57 7,2	18,08	0,238	+0,07	+8.7267	−9.8395	1.2571	9.6365	238	181	iii. 152			
561	79 42 7,4	18,07	0,201	+0,07	−9.5433	−9.2070	1.2569	9.6376	243	185	ii. 195	....	....	M 63
562	39 16 11,2	18,05	0,240	.....	+8.7959	−9.8432	1.2565	9.6390	240	....	.....	....	....	L 310
563	129 9 41,0	18,05	0,165	−0,26	−9.7865	+9.7547	1.2565	9.6393	....	188	v. 107	536	260	
564	27 4 17,4	18,04	0,269	0,00	+9.2824	−9.9036	1.2562	9.6405	239	184	ii. 196			
565	101 4 42,9	18,02	0,189	+0,12	−9.7077	+9.2373	1.2558	9.6421	247	192	ii. 197	....	....	J 31
566	50 0 50,7	18,01	0,229	+0,05	−8.6990	−9.7613	1.2556	9.6430	244	190	iii. 156			
567	138 33 48,2	18,01	0,154	+0,14	−9.7901	+9.8283	1.2556	9.6431	....	....	v. 108	542	263	R 76
568	22 3 17,9	18,01	0,290	+0,02	+9.3888	−9.9203	1.2555	9.6435	241	186	iii. 155			
569	61 9 13,8	18,01	0,218	+0,21	−9.2243	−9.6366	1.2554	9.6440	245	193	ii. 198			
570	130 34 46,6	17,99	0,165	+0,05	9.7906	+9.7659	1.2549	9.6459	....	198	iii. 157	543	265	
571	140 56 55,2	17,98	0,151	−0,17	9.7904	+9.8428	1.2549	9.6461	....	....	v. 110	547	266	R 77
572	71 26 37,5	17,98	0,212	+0,09	9.4319	−9.4552	1.2547	9.6469	248	197	ii. 199	....	....	M 65
573	71 26 28,7	17,97	0,212	+0,09	9.4317	−9.4552	1.2547	9.6469	249	196	iv. 183	....	....	M 64, P 58
574	87 33 18,4	17,96	0,201	+0,05	9.6176	−8.5820	1.2542	9.6488	251	201	ii. 200			
575	50 2 6,7	17,95	0,232	+0,03	8.6656	−9.7597	1.2541	9.6491	250	....	.....	....	....	G 401
576	53 36 39,2	17,94	0,229	+0,05	8.9258	−9.7249	1.2539	9.6500	....	200	iii. 160			
577	69 55 39,6	17,93	0,215	+0,11	9.4048	−9.4870	1.2537	9.6509	252	202	ii. 201	....	....	M 66
578	129 20 10,8	17,91	0,169	−0,06	9.7929	+9.7529	1.2531	9.6531	....	206	iii. 162	555	270	
579	53 27 36,7	17,91	0,231	−0,01	8.9063	−9.7256	1.2530	9.6535	253	203	iii. 161	....	....	A 55
580	53 29 10,3	17,90	0,231	−0,04	8.9053	−9.7251	1.2528	9.6543	255	204	iii. 163			
581	67 9 35,0	17,89	0,219	−0,03	9.3510	−9.5394	1.2526	9.6552	257	205	ii. 202			
582	137 2 17,7	17,88	0,160	+0,09	−9.7972	+9.8146	1.2525	9.6557	....	....	v. 113	559	272	
583	12 48 56,1	17,87	+0,380	+0,03	+9.5393	−9.9390	1.2521	9.6569	246	....	.....	....	....	G 404
584	175 18 40,8	17,87	−0,287	.....	−9.6883	+9.9484	1.2521	9.6571	....	....	.....	634		
585	133 14 1,8	−17,86	+0,166	−0,04	−9.7977	+9.7854	−1.2520	+9.6576	....	212	ii. 204	565	274	J 32, R 78

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
586	Piscium	7	1 48 8,67	+3,082	+0,0058	+0,005	+8.7737	+8.4816	+0.4889	+7.0584
587	Andromedæ	6	48 37,21	3,711	+0,0448	+0,003	8.9343	8.6443	0.5694	+8.7938
588*	Cassiopeæ.....	6½	48 37,71	4,316	+0,1035	.....	9.1296	8.8397	0.6350	+9.0829
589	Hydri .....η^1	5	48 45,68	1,505	+0,0066	−0,047	9.2125	8.9232	0.1775	−9.1817
590	3 Persei	6½	49 3,18	+3,762	+0,0487	+0,003	8.9512	8.6633	+0.5754	+8.8255
591	Hydri	5½	49 8,36	−0,762	+0,2536	−0,154	9.5743	9.2868	−9.8821	−9.5688
592	8 Arietis ..... ι	6	49 9,98	+3,259	+0,0145	+0,007	8.7923	8.5049	+0.5131	+8.2603
593	9 Arietis .....λ	5½	49 34,82	3,330	+0,0184	−0,005	8.8078	8.5223	0.5224	+8.3972
594	56 Ceti	6	49 38,69	2,806	−0,0041	+0,005	8.8090	8.5238	0.4481	−8.4055
595	48 Cassiopeæ.....	5	49 43,63	4,779	+0,1606	−0,001	9.2417	8.9570	0.6794	+9.2152
596	Eridani.....χ	4	50 6,71	2,269	−0,0111	+0,056	8.9859	8.7029	0.3559	−8.8845
597	47 Cassiopeæ.....	6½	50 16,35	5,659	+0,3028	+0,027	9.4052	9.1229	0.7528	+9.3931
598*	58 Ceti	7	50 22,17	3,040	+0,0040	+0,005	8.7720	8.4902	0.4829	−7.4598
599*	Hydri	6	50 25,50	1,951	−0,0076	.....	9.0863	8.8047	0.2904	−9.0283
600	50 Cassiopeæ.....	4	50 43,81	4,948	+0,1830	−0,008	9.2740	8.9939	0.6944	+9.2515
601	Eridani.....	7	50 47,23	2,265	−0,0110	.....	8.9852	8.7054	0.3550	−8.8839
602*	Hydri	6	50 55,47	1,920	−0,0069	.....	9.0935	8.8143	0.2834	−9.0378
603	Hydri .....η^2	4½	51 7,99	1,498	+0,0070	−0,012	9.2045	8.9262	0.1754	−9.1728
604*	Phœnicis	5½	51 13,48	2,375	−0,0108	+0,027	8.9461	8.6682	0.3757	−8.8180
605	Cassiopeæ.....	6	51 16,21	6,828	+0,5536	.....	9.5563	9.2786	0.8343	+9.5504
606	Eridani.....	6	51 16,57	2,257	−0,0108	+0,021	8.9862	8.7086	0.3536	−8.8858
607	Arietis	6	51 16,77	3,302	+0,0166	+0,017	8.7985	8.5209	0.5187	+8.3393
608	49 Cassiopeæ.....	5½	51 20,42	5,465	+0,2647	−0,009	9.3687	9.0913	0.7376	+9.3544
609*	Arietis	7	51 24,36	3,198	+0,0112	−0,001	8.7794	8.5023	0.5049	+8.0814
610	52 Cassiopeæ.....	6	51 45,31	4,365	+0,1059	−0,001	9.1310	8.8555	0.6400	+9.0853
611	53 Cassiopeæ.....	6	51 57,44	4,338	+0,1026	+0,004	9.1228	8.8483	0.6373	+9.0752
612	Piscium	7	52 7,24	3,129	+0,0079	+0,009	8.7716	8.4978	0.4954	+7.7375
613*	Phœnicis	6	52 11,71	2,507	−0,0096	−0,007	8.8979	8.6245	0.3991	−8.7226
614*	4 Persei	5½	52 20,61	3,929	+0,0615	+0,004	8.9978	8.7250	0.5943	+8.9044
615	112 Piscium	6	52 21,41	3,097	+0,0065	+0,023	8.7699	8.4972	0.4909	+7.3877
616	51 Cassiopeæ.....	7½	52 28,46	5,248	+0,2254	−0,016	9.3253	9.0532	0.7200	+9.3079
617	57 Ceti	6	52 42,85	2,821	−0,0033	+0,002	8.8006	8.5295	0.4504	−8.3657
618	59 Ceti .....υ	4½	52 56,22	2,818	−0,0034	+0,009	8.8011	8.5311	0.4499	−8.3711
619	Phœnicis	6	53 11,46	2,511	−0,0093	+0,012	8.8939	8.6250	0.3998	−8.7147
620*	Cassiopeæ.....	7	53 26,26	4,395	+0,1075	.....	9.1325	8.8647	0.6430	+9.0875
621	Phœnicis	6	53 27,48	2,483	−0,0095	−0,013	8.9025	8.6348	0.3950	−8.7343
622	Hydri	6	53 44,59	0,014	+0,1303	−0,163	9.4587	9.1923	8.1430	−9.4494
623	Hydri .....α	3	54 2,62	1,855	−0,0050	+0,034	9.1005	8.8354	0.2683	−9.0476
624	3 Trianguli ..... ε	6	54 13,45	3,479	+0,0267	+0,009	8.8418	8.5776	0.5414	+8.5728
625	113 Piscium .....α	3½	54 17,50	3,093	+0,0064	+0,009	8.7678	8.5039	0.4904	+7.3187
626*	Ursæ Minoris	7	54 21,33	8,172	+0,9089	.....	9.6725	9.4088	0.9123	+9.6691
627	Fornacis	6	54 33,03	2,690	−0,0062	−0,001	8.8329	8.5702	0.4297	−8.5413
628	57 Andromedæ ....γ	3	54 42,63	3,640	+0,0374	+0,004	8.8934	8.6313	0.5612	+8.7155
629	Arietis	7	54 58,02	3,187	+0,0106	+0,006	8.7739	8.5130	0.5034	+8.0259
630	10 Arietis	6½	1 55 9,11	+3,374	+0,0202	+0,013	+8.8101	+8.5500	+0.5281	+8.4394

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
586	88 53 47,3	−17,86	+0,204	−0,12	−9.6285	−8.2344	−1.2520	+9.6576	....	209	ii. 203	....	....	W 119
587	43 38 20,7	17,84	0,247	−0,04	+8.4886	−9.8088	1.2515	9.6593	....	207	iv. 185	....	....	G 416
588	26 6 40,8	17,84	0,287	.....	+9.3401	−9.9025	1.2515	9.6593	....	....	.....	....	....	B.F 222
589	158 40 58,3	17,84	0,100	−0,12	−9.7660	+9.9184	1.2514	9.6599	....	....	.....	577	276	
590	41 31 55,1	17,83	+0,251	0,00	+8.7419	−9.8231	1.2511	9.6609	261	211	iii. 164			
591	170 54 54,2	17,82	−0,051	−0,29	−9.7170	+9.9433	1.2510	9.6613	....	....	.....	606	279	
592	72 54 58,6	17,82	+0,218	−0,01	−9.4473	−9.4168	1.2510	9.6614	262	214	ii. 205	....	275	B.H 44
593	67 8 15,1	17,81	0,224	0,00	−9.3446	−9.5378	1.2506	9.6629	263	216	ii. 207			
594	113 15 37,5	17,80	0,188	+0,01	−9.7638	+9.5448	1.2505	9.6631	267	218	iii. 168	568		
595	19 49 28,5	17,80	0,321	+0,01	+9.4567	−9.9217	1.2504	9.6634	258	210	iii. 166			
596	142 21 25,7	17,78	0,153	−0,31	−9.8000	+9.8465	1.2500	9.6648	....	....	v. 115	575	278	J 33
597	13 26 35,7	17,78	0,382	+0,02	+9.5431	−9.9356	1.2499	9.6654	254	208	iii. 167			
598	92 47 36,4	17,77	0,205	−0,08	−9.6590	+8.6354	1.2498	9.6658	268	....	.....	....	....	B 15
599	151 1 57,8	17,77	0,132	.....	−9.7893	+9.8895	1.2497	9.6660	....	....	.....	584		
600	18 18 29,5	17,76	0,335	−0,02	+9.4840	−9.9247	1.2494	9.6671	260	215	iii. 169			
601	142 21 39,4	17,76	0,154	.....	−9.8015	+9.8458	1.2494	9.6673	....	....	.....	....	....	R 79
602	151 35 29,0	17,75	0,130	.....	−9.7894	+9.8913	1.2492	9.6678	....	....	.....	590		
603	158 23 12,9	17,74	0,102	−0,01	−9.7732	+9.9151	1.2490	9.6685	....	....	ii. 213	594	283	J 34
604	138 7 4,5	17,74	0,162	−0,19	−9.8041	+9.8186	1.2489	9.6688	....	....	v. 116	585	281	
605	9 25 38,6	17,74	0,465	.....	+9.5903	−9.9408	1.2489	9.6690	....	....	.....	....	....	G 424
606	142 30 38,7	17,74	0,154	−0,16	−9.8024	+9.8462	1.2489	9.6690	....	....	v. 117	588	282	
607	69 40 23,4	17,74	0,225	+0,11	−9.3888	−9.4875	1.2489	9.6690	....	222	ii. 211	....	....	B.F 239
608	14 36 37,7	17,74	0,372	−0,02	+9.5344	−9.9323	1.2488	9.6693	259	217	iii. 170			
609	78 26 4,3	17,73	0,218	+0,07	−9.5205	−9.2486	1.2488	9.6695	....	223	ii. 212	....	....	B.F 240
610	25 49 34,2	17,72	0,298	+0,02	+9.3666	−9.9005	1.2484	9.6707	265	219	iii. 171			
611	26 20 15,4	17,71	0,297	−0,02	+9.3581	−9.8984	1.2482	9.6715	266	221	iii. 172			
612	84 41 43,0	17,70	0,214	+0,10	−9.5896	−8.9117	1.2480	9.6720	....	225	ii. 214	....	....	W 123
613	131 54 3,2	17,70	0,172	−0,03	−9.8041	+9.7704	1.2480	9.6723	....	229	iii. 175	591	284	
614	36 14 24,6	17,69	0,270	−0,01	+9.0906	−9.8522	1.2478	9.6728	269	224	iii. 174	....	....	B.H 1147?
615	87 37 20,8	17,69	0,213	+0,25	−9.6171	−8.5634	1.2478	9.6729	271	226	ii. 215			
616	16 8 28,2	17,69	0,361	+0,04	+9.5213	−9.9280	1.2477	9.6733	264	220	iii. 173			
617	111 33 16,9	17,68	0,194	−0,04	−9.7613	+9.5103	1.2474	9.6742	272	231	ii. 216			
618	111 48 22,7	17,67	0,194	−0,02	−9.7624	+9.5149	1.2472	9.6749	273	232	iii. 176	....	....	J 35
619	131 27 8,3	17,66	0,174	−0,60	−9.8056	+9.7656	1.2470	9.6758	....	....	v. 118	597	285	
620	25 37 15,6	17,65	0,305	+0,09	+9.3813	−9.8995	1.2467	9.6767	270	....	.....	....	....	G 440
621	132 45 20,4	17,65	0,172	+0,09	−9.8069	+9.7762	1.2467	9.6768	....	235	iii. 177	599	286	
622	168 14 5,0	17,64	0,001	+1,21	−9.7441	+9.9349	1.2464	9.6778	....	....	.....	621	289	
623	152 18 4,7	17,62	0,129	0,00	−9.7954	+9.8910	1.2461	9.6788	....	....	ii. 219	605	287	J 36, R 80
624	57 26 27,9	17,62	0,243	0,00	−9.0354	−9.6746	1.2459	9.6795	275	233	iii. 178			
625	87 57 44,7	17,61	0,216	−0,01	−9.6198	−8.4945	1.2458	9.6797	277	238	iii. 179	....	....	M 70
626	7 8 56,1	17,61	0,570	−0,02	+9.6241	−9.9401	1.2458	9.6799	256	....	.....	....	....	B 16
627	120 43 28,9	17,60	0,188	+0,08	−9.7909	+9.6517	1.2456	9.6806	....	241	iii. 180	602	288	
628	48 23 32,9	17,60	0,255	+0,04	−7.7709	−9.7654	1.2454	9.6811	276	236	ii. 220	....	....	M 69
629	79 42 31,8	17,58	0,224	+0,19	−9.5329	−9.1949	1.2451	9.6820	....	240	ii. 221	....	....	W 126
630	64 47 27,6	17,58	+0,237	+0,03	−9.2730	−9.5720	−1.2449	+9.6827	278	242	iii. 181			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
631	Piscium	7	1 55 13,51	+3,100	+0,0067	.....	+8.7670	+8.5073	+0.4914	+7.4281
632	Arietis	6	55 29,63	3,275	+0,0148	+0,007	8.7869	8.5284	0.5152	+8.2658
633	60 Ceti	6	55 30,37	3,064	+0,0052	+0,008	8.7663	8.5078	0.4863	−6.7847
634	Phœnicis ..... χ	5	55 41,21	2,414	−0,0097	−0,012	8.9199	8.6623	0.3828	−8.7727
635	Hydri	5	55 43,87	1,562	+0,0045	+0,008	9.1706	8.9131	0.1936	−9.1339
636*	Ceti	6	55 45	2,885	−0,0011	.....	8.7833	8.5259	0.4601	−8.2249
637*	Arietis	7½	55 51,87	+3,375	+0,0202	+0,003	8.8093	8.5524	+0.5283	+8.4384
638	Hydri	5½	56 6,55	−0,293	+0,1667	−0,063	9.4883	9.2326	−9.4675	−9.4804
639	61 Ceti	6½	56 7,80	+3,059	+0,0050	+0,007	8.7657	8.5100	+0.4855	−7.0335
640	54 Cassiopeæ.....	6½	56 17,41	4,941	+0,1722	+0,067	9.2494	8.9944	0.6938	+9.2246
641	Ceti	7	56 56,72	3,151	+0,0089	+0,010	8.7680	8.5160	0.4985	+7.8548
642*	Eridani.....	6	57 4,63	2,174	−0,0093	.....	8.9945	8.7430	0.3372	−8.9020
643	Fornacis	5½	57 45,93	2,691	−0,0058	0,000	8.8264	8.5780	0.4299	−8.5256
644	12 Arietis ..... $\varkappa$	6	58 10,95	3,336	+0,0179	+0,005	8.7960	8.5495	0.5232	+8.3683
645*	Arietis	6	58 13,05	3,380	+0,0202	+0,002	8.8065	8.5601	0.5289	+8.4342
646	Persei	5½	58 14,70	4,114	+0,0746	−0,001	9.0356	8.7893	0.6143	+8.9626
647*	11 Arietis	6½	58 19,64	3,378	+0,0201	−0,002	8.8059	8.5600	0.5287	+8.4316
648	13 Arietis ..... α	2	58 43,58	3,348	+0,0185	+0,016	8.7980	8.5539	0.5248	+8.3854
649	58 Andromedæ	5½	59 27,40	3,575	+0,0316	+0,016	8.8605	8.6196	0.5533	+8.6414
650	Arietis	7	59 32,33	3,278	+0,0148	−0,001	8.7821	8.5415	0.5156	+8.2557
651*	Cassiopeæ.....	6	59 38,63	5,296	+0,2171	.....	9.3039	9.0638	0.7239	+9.2852
652*	Hydri	6	1 59 51,67	1,116	+0,0263	.....	9.2521	9.0129	0.0475	−9.2281
653*	Persei	6½	2 0 5,62	3,963	+0,0601	+0,005	8.9832	8.7451	0.5980	+8.8863
654*	Hydri	6	0 20,71	+ 0,539	+0,0690	−0,055	9.3529	9.1159	+9.7317	−9.3382
655	Octantis	6	0 20,98	− 1,840	+0,4217	−0,104	9.6300	9.3929	−0.2648	−9.6259
656	4 Trianguli ..... β	4	0 38,05	+ 3,528	+0,0285	+0,017	8.8436	8.6078	+0.5476	+8.5942
657	14 Arietis	5½	0 53,69	3,388	+0,0203	+0,006	8.8040	8.5693	0.5299	+8.4336
658	5 Persei ..... h	6	1 4,67	4,106	+0,0720	−0,008	9.0234	8.7895	0.6134	+8.9467
659*	Eridani.....	6	1 17,20	2,077	−0,0078	+0,009	9.0102	8.7773	0.3175	−8.9278
660	62 Ceti	6½	1 34,16	3,035	+0,0043	−0,001	8.7603	8.5286	0.4821	−7.4852
661	59 Andromedæ	6	1 47,80	3,606	+0,0331	−0,001	8.8649	8.6342	0.5571	+8.6574
662*	Andromedæ	7	1 48,83	3,606	+0,0331	+0,001	8.8649	8.6342	0.5571	+8.6575
663	Ceti	6½	1 51,46	3,112	+0,0073	+0,007	8.7602	8.5297	0.4931	+7.5483
664	Phœnicis	6	1 59,46	2,447	−0,0083	−0,011	8.8923	8.6624	0.3886	−8.7228
665	15 Arietis	6	2 19,16	3,302	+0,0158	+0,008	8.7827	8.5542	0.5188	+8.2907
666	16 Arietis	7	2 38,13	3,392	+0,0204	−0,024	8.8021	8.5749	0.5304	+8.4317
667	5 Trianguli	7	2 39,85	3,477	+0,0250	+0,006	8.8246	8.5976	0.5413	+8.5341
668*	55 Cassiopeæ.....	6	2 46,77	4,591	+0,1195	+0,003	9.1460	8.9195	0.6619	+9.1061
669	Arietis	8	2 58,63	3,328	+0,0170	+0,020	8.7870	8.5614	0.5222	+8.3347
670	Phœnicis	6	3 9,49	2,404	−0,0084	−0,021	8.9027	8.6778	0.3810	−8.7462
671	Hydri	6	3 14,19	1,484	+0,0077	−0,003	9.1600	8.9355	0.1713	−9.1229
672	64 Ceti	6½	3 26,37	3,165	+0,0095	−0,009	8.7617	8.5381	0.5004	+7.8979
673	6 Persei	5½	3 39,23	3,900	+0,0534	+0,035	8.9526	8.7299	0.5911	+8.8392
674	Phœnicis	6	3 39,35	2,461	−0,0080	+0,005	8.8834	8.6607	0.3912	−8.7054
675	6 Trianguli	5½	2 3 40,89	+3,461	+0,0240	−0,002	+8.8181	+8.5955	+0.5392	+8.5117

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
631	87 22 24,8	−17,57	+0,218	.....	−9.6143	−8.6037	−1.2449	+9.6829	....	....	.....	....	....	B.F 249
632	72 28 7,8	17,56	0,231	−0,04	9.4286	−9.4212	1.2446	9.6838	....	243	ii. 222	....	290	W 127
633	90 35 52,2	17,56	0,216	+0,02	9.6424	+7.9608	1.2446	9.6839	280	244	ii. 223			
634	135 26 11,5	17,55	0,170	−0,24	9.8123	+9.7949	1.2444	9.6845	....	248	ii. 224	610	291	J 37
635	156 47 55,7	17,55	0,110	+0,54	9.7894	+9.9055	1.2443	9.6847	....	....	.....	616	292	
636	106 3	17,55	0,204	.....	9.7410	+9.3837	1.2443	9.6847	....	....	.....	....	....	A
637	64 48 16,7	17,55	+0,238	+0,17	9.2707	−9.5711	1.2442	9.6851	279	245	iv. 191			
638	169 5 5,4	17,54	−0,021	+0,36	9.7471	+9.9338	1.2439	9.6859	....	....	.....	637	293	
639	91 3 42,1	17,54	+0,217	+0,06	−9.6463	+8.2095	1.2439	9.6860	281	247	iii. 183			
640	19 9 21,9	17,53	0,350	+0,24	+9.5005	−9.9168	1.2437	9.6866	274	239	iii. 182			
641	82 59 6,4	17,50	0,225	−0,05	−9.5694	−9.0276	1.2430	9.6888	....	249	iii. 184			
642	143 54 47,4	17,49	0,155	.....	9.8134	+9.8482	1.2429	9.6892	....	....	.....	619		
643	120 1 10,3	17,47	0,193	+0,09	9.7936	+9.6392	1.2422	9.6916	....	251	iii. 185	618	294	
644	68 4 3,7	17,45	0,240	−0,04	9.3393	−9.5118	1.2417	9.6930	285	250	ii. 225	....	....	M 71
645	64 53 19,2	17,45	0,243	.....	−9.2639	−9.5672	1.2417	9.6931	284	....	ii. 226			
646	32 17 36,5	17,44	0,296	0,00	+9.2676	−9.8665	1.2417	9.6932	283	....	.....	....	....	Airy (G)
647	65 0 51,0	17,44	0,243	+0,04	−9.2669	−9.5651	1.2416	9.6934	286	252	iii. 186			
648	67 14 56,4	17,42	0,242	+0,12	9.3195	−9.5263	1.2411	9.6948	287	253	ii. 227	....	295	M 72
649	52 51 16,0	17,39	0,260	+0,03	8.6551	−9.7190	1.2403	9.6972	288	254	iii. 187			
650	72 41 13,8	17,39	0,238	+0,06	−9.4249	−9.4117	1.2403	9.6975	....	257	iii. 188	....	....	M 73
651	16 40 52,6	17,38	0,385	−0,02	+9.5479	−9.9193	1.2401	9.6978	282	....	.....	....	....	G 454
652	161 8 28,0	17,37	0,081	+0,03	−9.7875	+9.9137	1.2399	9.6985	....	....	.....	643	297	
653	36 52 7,6	17,36	0,289	+0,02	+9.1458	−9.8405	1.2397	9.6993	....	256	iii. 189			
654	165 10 12,9	17,35	+0,039	+0,44	−9.7750	+9.9224	1.2394	9.7001	....	....	.....	652	300	
655	172 13 38,8	17,35	−0,135	+0,01	9.7446	+9.9331	1.2394	9.7001	....	....	.....	679	304	
656	55 43 29,2	17,34	+0,259	+0,02	8.8791	−9.6875	1.2391	9.7011	290	260	ii. 228			
657	64 46 24,7	17,33	0,249	+0,08	−9.2507	−9.5662	1.2388	9.7019	291	262	ii. 229			
658	33 3 55,8	17,32	0,302	−0,07	+9.2686	−9.8596	1.2386	9.7025	289	259	iii. 190			
659	145 48 2,6	17,31	0,153	+0,21	−9.8205	+9.8537	1.2383	9.7032	....	....	v. 122	640	301	
660	93 2 33,0	17,30	0,224	−0,02	9.6630	+8.6607	1.2380	9.7041	295	265	iv. 196			
661	51 40 15,9	17,29	0,267	+0,01	8.4166	−9.7281	1.2378	9.7048	293	263	iii. 191			
662	51 39 59,0	17,29	0,267	.....	8.4150	−9.7281	1.2378	9.7049	294	....	.....	....	....	G 463
663	86 28 49,0	17,29	0,230	+0,04	9.6042	−8.7236	1.2377	9.7050	....	266	iii. 192	....	....	W 131
664	132 35 44,6	17,28	0,181	+0,17	9.8215	+9.7658	1.2376	9.7054	....	270	iii. 193	641	303	
665	71 12 33,2	17,27	0,245	0,00	9.3925	−9.4430	1.2372	9.7065	296	267	ii. 231	....	....	M 74
666	64 46 25,8	17,25	0,252	+0,02	9.2438	−9.5642	1.2368	9.7075	298	269	iii. 196			
667	59 10 59,2	17,25	0,259	0,00	−9.0469	−9.6441	1.2368	9.7076	297	268	iii. 195			
668	24 10 57,3	17,25	0,342	−0,01	+9.4592	−9.8946	1.2367	9.7080	292	264	iii. 194	....	....	Airy (G)
669	69 19 56,2	17,24	0,248	+0,04	−9.3533	−9.4819	1.2364	9.7086	....	1	iv. 197	....	....	M 75
670	134 13 34,7	17,23	0,180	+0,07	9.8248	+9.7776	1.2362	9.7092	....	7	iii. 198	647	307	
671	156 39 42,1	17,23	0,111	+0,49	9.8077	+9.8969	1.2362	9.7094	....	....	.....	664	309	
672	82 8 4,6	17,22	0,237	+0,10	−9.5559	−9.0699	1.2359	9.7101	302	6	ii. 232			
673	39 38 3,0	17,21	0,292	+0,16	+9.0752	−9.8200	1.2357	9.7108	299	3	iii. 199			
674	131 34 38,8	17,21	0,184	+0,16	−9.8232	+9.7554	1.2357	9.7108	....	10	iii. 202	653	308	
675	60 24 9,3	−17,21	+0,259	+0,05	−9.0917	−9.6271	−1.2357	+9.7108	301	5	iii. 200			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
676	60 Andromedæ .... *b*	5½	2 3 50,29	+3,724	+0,0404	+0,001	+8.8968	+8.6749	+0.5710	+8.7348
677	63 Ceti	6	3 59,14	3,040	+0,0047	+0,005	8.7574	8.5361	0.4829	−7.4027
678	Phœnicis	6	4 5,17	2,393	−0,0083	−0,011	8.9038	8.6830	0.3789	−8.7497
679	Arietis	6½	4 9,35	3,370	+0,0190	+0,009	8.7943	8.5737	0.5276	+8.3943
680	Eridani.....	6	4 17,60	2,173	−0,0080	+0,023	8.9716	8.7517	0.3371	−8.8708
681*	Eridani.....	6	4 22,13	2,201	−0,0082	+0,153	8.9629	8.7433	0.3426	−8.8568
682	17 Arietis .....η	6	4 24,65	3,329	+0,0170	+0,012	8.7849	8.5655	0.5223	+8.3293
683	19 Arietis	7	4 52,84	3,251	+0,0132	+0,007	8.7702	8.5527	0.5120	+8.1709
684	65 Ceti .....ξ^1	5	5 3,35	3,170	+0,0097	−0,001	8.7602	8.5435	0.5011	+7.9112
685*	66 Ceti	6½	5 8,27	3,033	+0,0044	+0,036	8.7563	8.5399	0.4819	−7.4889
686*	Arietis	7½	5 32,91	3,309	+0,0159	+0,003	8.7793	8.5647	0.5197	+8.2899
687	Ceti	7	5 38,45	3,123	+0,0078	−0,012	8.7563	8.5421	0.4946	+7.6321
688	Fornacis .....μ	5	6 17,93	2,643	−0,0054	−0,001	8.8232	8.6118	0.4221	−8.5405
689	Persei	7½	6 20,34	4,122	+0,0701	+0,011	9.0104	8.7992	0.6151	+8.9307
690	Persei	7	6 25,33	4,123	+0,0702	+0,013	9.0106	8.7997	0.6153	+8.9310
691	7 Trianguli	6	7 4,75	3,522	+0,0269	+0,001	8.8282	8.6201	0.5468	+8.5603
692	20 Arietis	6½	7 11,36	3,400	+0,0203	+0,014	8.7963	8.5887	0.5315	+8.4236
693	21 Arietis	7	7 12,64	3,389	+0,0197	−0,005	8.7937	8.5862	0.5301	+8.4088
694*	Cassiopeæ.....	7½	7 17,50	4,499	+0,1050	−0,001	9.1071	8.8999	0.6531	+9.0598
695	8 Persei	6	7 25,67	4,166	+0,0733	+0,008	9.0192	8.8126	0.6197	+8.9438
696	7 Persei ..... χ	6½	7 34,28	4,151	+0,0719	+0,005	9.0146	8.8086	0.6181	+8.9373
697	8 Trianguli..... δ	5½	7 55,00	3,540	+0,0277	+0,096	8.8315	8.6269	0.5490	+8.5738
698	9 Trianguli..... γ	5½	8 24,87	3,535	+0,0273	+0,009	8.8290	8.6265	0.5484	+8.5669
699	Phœnicis	6	8 27,66	2,434	−0,0074	−0,009	8.8798	8.6775	0.3863	−8.7042
700*	Persei	6½	8 35,11	4,143	+0,0706	+0,014	9.0091	8.8073	0.6173	+8.9299
701*	Persei	7	8 44,23	4,146	+0,0707	+0,009	9.0093	8.8082	0.6176	+8.9303
702*	Cassiopeæ.....	7½	8 45,04	4,508	+0,1046	+0,001	9.1041	8.9030	0.6540	+9.0564
703	Hydri	6	9 10,03	1,399	+0,0111	−0,018	9.1566	8.9573	0.1459	−9.1202
704	67 Ceti	6	9 30,26	2,981	+0,0029	+0,007	8.7539	8.5560	0.4744	−7.8469
705	Andromedæ.....	6	9 37,11	3,874	+0,0489	−0,006	8.9271	8.7297	0.5881	+8.7999
706	62 Andromedæ .... *c*	6	9 37,57	3,831	+0,0459	−0,002	8.9141	8.7167	0.5833	+8.7760
707	22 Arietis ..... θ	6	9 47,58	3,321	+0,0161	+0,004	8.7751	8.5784	0.5212	+8.2922
708	Ceti	6	10 13,75	3,084	+0,0064	+0,017	8.7497	8.5549	0.4891	+7.0112
709*	Hydri	6	10 14,74	0,346	+0,0797	−0,029	9.3425	9.1477	9.5391	−9.3279
710	10 Trianguli	6½	10 16,55	+3,452	+0,0226	+0,007	8.8035	8.6088	+0.5381	+8.4743
711	Hydri	5½	10 25,96	−0,135	+0,1276	+0,001	9.4084	9.2144	−9.1294	−9.3977
712	23 Arietis	7	10 48,84	+3,319	+0,0160	0,000	8.7733	8.5809	+0.5211	+8.2859
713	Fornacis	6	10 58,99	2,532	−0,0062	+0,036	8.8446	8.6529	0.4034	−8.6209
714	Andromedæ.....	6	11 0,67	3,836	+0,0457	+0,007	8.9118	8.7203	0.5839	+8.7733
715	63 Andromedæ.....	6	11 3,77	3,917	+0,0514	+0,003	8.9358	8.7444	0.5929	+8.8165
716	Hydri ..... π^1	5½	11 6,96	1,229	+0,0186	−0,018	9.1853	8.9942	0.0896	−9.1541
717	Eridani ..... φ	4	11 9,34	2,137	−0,0067	+0,019	8.9612	8.7702	0.3298	−8.8590
718*	Persei	7	11 21,88	4,168	+0,0710	−0,001	9.0070	8.8169	0.6200	+8.9284
719*	Persei	neb.	11 38	4,165	+0,0706	.....	9.0053	8.8163	0.6197	+8.9261
720*	68 Ceti ..... *o*	var.	2 11 46,53	3,024	+0,0044	−0,003	+8.7487	+8.5603	+0.4806	−7.5539

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
676	46 28 31,2	−17,20	+0,279	+0,04	+8.5977	9.7713	−1.2355	+9.7113	300	4	iii. 201			
677	92 31 57,8	17,19	0,228	+0,04	−9.6593	+8.5784	1.2353	9.7118	304	9	ii. 234			
678	134 31 34,3	17,19	0,180	+0,06	9.8266	+9.7788	1.2352	9.7121	....	14	iii. 204	659	310	
679	66 32 20,1	17,18	0,253	−0,02	9.2851	−9.5329	1.2351	9.7123	....	8	iii. 203			
680	142 26 35,6	17,18	0,164	−0,08	9.8285	+9.8319	1.2350	9.7128	....	....	v. 124	662	312	
681	141 33 24,2	17,17	0,166	−1,84	9.8289	+9.8265	1.2349	9.7130	....	....	v. 125	661	311	
682	69 29 48,9	17,17	0,251	0,00	9.3533	−9.4770	1.2348	9.7131	303	11	ii. 235	....	....	M 76
683	75 25 33,1	17,15	0,246	+0,02	9.4618	−9.3328	1.2343	9.7146	305	15	ii. 236	....	....	M 78
684	81 51 34,0	17,14	0,240	+0,02	9.5516	−9.0829	1.2341	9.7152	306	16	ii. 237	....	....	M 77
685	93 5 48,8	17,14	0,230	+0,04	9.6641	+8.6644	1.2340	9.7154	308	18	iii. 206			
686	71 5 25,2	17,12	0,251	−0,01	9.3833	−9.4419	1.2335	9.7167	309	20	iii. 207			
687	85 41 28,6	17,12	0,237	+0,15	9.5949	−8.8070	1.2334	9.7170	....	23	iii. 208			
688	121 25 48,4	17,09	0,202	+0,08	−9.8084	+9.6476	1.2326	9.7190	....	28	iii. 209	666	315	
689	33 40 19,4	17,08	0,315	+0,01	+9.2907	−9.8506	1.2326	9.7191	....	21	iv. 201	....	....	G 475
690	33 38 41,8	17,08	0,315	−0,11	+9.2920	−9.8507	1.2325	9.7194	....	22	iv. 203	....	....	G 476
691	57 20 27,6	17,05	0,270	+0,01	−8.9101	−9.6616	1.2317	9.7214	312	30	iii. 210			
692	64 55 2,4	17,05	0,261	+0,12	−9.2294	−9.5567	1.2316	9.7217	314	32	iii. 211			
693	65 39 16,8	17,04	0,261	+0,07	−9.2509	−9.5445	1.2316	9.7218	315	33	iii. 212			
694	26 16 24,0	17,04	0,346	.....	+9.4482	−9.8819	1.2315	9.7221	307	....	.....	....	....	B 18
695	32 47 59,0	17,03	0,321	+0,02	+9.3193	−9.8537	1.2313	9.7225	310	27	iii. 213			
696	33 10 55,5	17,03	0,320	−0,02	+9.3111	−9.8516	1.2312	9.7229	311	29	iii. 214			
697	56 27 54,0	17,01	0,273	+0,23	−8.8395	−9.6708	1.2307	9.7240	317	34	iii. 215			
698	56 50 57,2	16,99	0,274	+0,02	−8.8615	−9.6658	1.2302	9.7255	318	37	iii. 216			
699	131 51 57,8	16,99	0,189	−0,13	−9.8312	+9.7523	1.2301	9.7256	....	42	iii. 218	682	318	
700	33 33 38,5	16,98	0,322	−0,02	+9.3086	−9.8485	1.2300	9.7260	316	35	iv. 207			
701	33 31 34,4	16,97	0,322	−0,07	+9.3103	−9.8485	1.2298	9.7264	....	36	iii. 217	....	....	B.F 279
702	26 21 32,4	16,97	0,350	.....	+9.4542	−9.8799	1.2298	9.7265	313	....	.....	....	....	Airy (G)
703	156 51 46,4	16,95	0,109	+0,69	−9.8207	+9.8906	1.2293	9.7277	....	....	.....	691	321	
704	97 6 56,7	16,94	0,233	+0,12	−9.6963	+9.0196	1.2289	9.7287	321	47	ii. 238			
705	41 44 35,7	16,93	0,303	−0,08	+9.0453	−9.7993	1.2287	9.7291	....	41	iii. 219	....	....	G 494
706	43 18 54,3	16,93	0,299	+0,02	+8.9647	−9.7884	1.2287	9.7291	319	43	iii. 220			
707	70 47 41,7	16,92	0,260	−0,03	−9.3679	−9.4434	1.2285	9.7296	320	49	ii. 239	....	....	M 79
708	88 57 14,1	16,90	0,242	−0,36	9.6275	−8.1872	1.2280	9.7309	....	52	ii. 240	....	....	W 138
709	165 12 20,9	16,90	0,027	+0,15	9.8002	+9.9111	1.2280	9.7310	....	....	.....	704	326	
710	62 3 9,7	16,90	+0,271	0,00	9.1176	−9.5966	1.2279	9.7310	322	51	iii. 222			
711	167 19 53,7	16,89	−0,011	+0,41	9.7931	+9.9148	1.2277	9.7315	....	....	.....	709	328	
712	71 0 3,9	16,88	+0,262	+0,09	9.3700	−9.4377	1.2273	9.7326	327	54	iii. 223			
713	126 40 54,5	16,87	0,200	+0,21	−9.8268	+9.7011	1.2271	9.7331	....	....	v. 132	688	325	
714	43 22 52,7	16,87	0,303	−0,02	+8.9782	−9.7862	1.2270	9.7332	325	....	.....	....	....	G 499
715	40 32 25,0	16,86	0,309	+0,05	+9.1113	−9.8055	1.2270	9.7334	324	53	iii. 224			
716	158 32 31,3	16,86	0,097	−0,17	−9.8213	+9.8935	1.2269	9.7335	....	....	.....	701	330	
717	142 12 26,7	16,86	0,169	−0,05	−9.8413	+9.8224	1.2269	9.7336	....	....	ii. 241	693	327	J 38, R 81
718	33 26 52,5	16,85	0,330	.....	+9.3290	−9.8457	1.2266	9.7343	323	....	.....	....	....	Airy (G)
719	33 34	16,84	0,330	.....	+9.3280	−9.8448	1.2263	9.7350	....	....	.....	....	....	A
720	93 39 41,8	−16,83	+0,240	+0,23	−9.6701	+8.7291	−1.2261	+9.7355	329	56	ii. 243	....	....	J 39

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
721	9 Persei ..... *i*	5	2 11 56,06	+4,116	+0,0664	−0,002	+8.9907	+8.8029	+0.6145	+8.9049
722	Ceti	7	12 8,13	3,006	+0,0038	−0,007	8.7490	8.5621	0.4780	−7.6928
723*	Fornacis	6	12 15,45	2,704	−0,0037	−0,010	8.7960	8.6096	0.4321	−8.4479
724	Hydri ..... π^2	5½	12 20,17	1,223	+0,0188	−0,008	9.1820	8.9959	0.0874	−9.1505
725*	Persei	8	12 36,65	4,184	+0,0715	+0,126	9.0071	8.8222	0.6216	+8.9292
726	Phœnicis	6	13 26,03	2,396	−0,0069	−0,007	8.8784	8.6968	0.3795	−8.7084
727*	Andromedæ	6	13 31,48	3,704	+0,0363	+0,003	8.8660	8.6848	0.5686	+8.6804
728*	Arietis	6½	14 12,05	3,203	+0,0108	.....	8.7516	8.5732	0.5056	+7.9977
729	69 Ceti	6	14 15,76	+3,067	+0,0059	+0,003	8.7447	8.5666	+0.4867	−6.4535
730	Hydri	5½	14 22,90	−0,148	+0,1246	−0,125	9.3942	9.2166	−9.1694	−9.3831
731	64 Andromedæ	6	14 28,55	+3,932	+0,0511	+0,003	8.9303	8.7531	+0.5946	+8.8102
732	70 Ceti	6	14 34,11	3,050	+0,0053	0,000	8.7445	8.5676	0.4843	−7.1821
733	10 Persei	6½	14 42,29	4,167	+0,0689	−0,007	8.9957	8.8194	0.6198	+8.9139
734	Horologii	6	15 3,58	1,942	−0,0039	−0,006	9.0033	8.8285	0.2883	−8.9251
735	65 Andromedæ	5½	15 38,87	3,947	+0,0517	+0,006	8.9312	8.7588	0.5963	+8.8129
736	Horologii	6	15 39,37	1,901	−0,0032	+0,032	9.0123	8.8399	0.2790	−8.9382
737	Fornacis ..... *x*	5½	15 40,87	2,731	−0,0027	+0,025	8.7839	8.6116	0.4363	−8.4016
738*	Arietis	8	16 8,18	3,197	+0,0106	−0,008	8.7484	8.5780	0.5047	+7.9701
739	Phœnicis	5½	16 18,44	2,350	−0,0066	−0,001	8.8843	8.7146	0.3711	−8.7252
740*	Cassiopeæ	6	16 25,39	7,790	+0,6400	−0,002	9.5464	9.3771	0.8915	+9.5410
741	Arietis	6½	16 29,83	3,190	+0,0103	+0,001	8.7473	8.5783	0.5038	+7.9432
742	Fornacis	6	16 41,05	2,627	−0,0044	−0,048	8.8065	8.6383	0.4195	−8.5126
743	Fornacis	6	16 41,93	2,677	−0,0036	−0,007	8.7944	8.6262	0.4276	−8.4613
744*	Cassiopeæ.....	4	16 46,55	4,817	+0,1288	−0,005	9.1447	8.9769	0.6828	+9.1078
745	24 Arietis ..... ξ	5½	16 46,97	3,202	+0,0107	+0,003	8.7480	8.5802	0.5054	+7.9846
746	Fornacis	6	16 56,01	2,478	−0,0059	+0,021	8.8463	8.6791	0.3940	−8.6381
747	71 Ceti	6	17 23,83	3,025	+0,0046	+0,005	8.7415	8.5762	0.4807	−7.5222
748	Eridani.....	5½	17 38,17	2,111	−0,0057	−0,010	8.9489	8.7846	0.3245	−8.8441
749*	66 Andromedæ	6½	17 49,45	3,969	+0,0524	+0,003	8.9311	8.7675	0.5987	+8.8147
750	Arietis	7	18 8,07	3,204	+0,0108	+0,007	8.7463	8.5840	0.5057	+7.9846
751	Fornacis	6	18 31,43	2,398	−0,0062	+0,015	8.8649	8.7042	0.3798	−8.6864
752	11 Trianguli	6½	18 34,65	3,530	+0,0253	−0,007	8.8067	8.6461	0.5477	+8.5201
753	Horologii	6	18 41,78	1,877	−0,0025	−0,026	9.0087	8.8487	0.2734	−8.9347
754	72 Ceti ..... ϱ	5	18 42,42	2,895	+0,0011	+0,002	8.7502	8.5902	0.4617	−8.1013
755*	Arietis	6	18 43,24	3,203	+0,0108	+0,004	8.7455	8.5855	0.5056	+7.9802
756	Hydri ..... δ	4	19 5,79	1,048	+0,0267	−0,011	9.1910	9.0326	0.0204	−9.1621
757	12 Trianguli	6	19 23,17	3,494	+0,0235	+0,001	8.7963	8.6390	0.5433	+8.4818
758	25 Arietis	7	19 25,14	3,199	+0,0106	−0,016	8.7441	8.5870	0.5050	+7.9630
759	13 Trianguli	6½	20 1,34	3,500	+0,0236	−0,002	8.7965	8.6418	0.5441	+8.4855
760	73 Ceti ..... ξ^2	4	20 11,41	3,176	+0,0097	+0,006	8.7410	8.5870	0.5018	+7.8728
761	Persei	6	20 39,45	3,682	+0,0333	.....	8.8426	8.6905	0.5661	+8.6365
762*	Horologii ..... λ	5½	20 43,30	1,682	+0,0019	+0,056	9.0506	8.8987	0.2257	−8.9924
763	Eridani ..... *x*	4½	21 28,98	2,200	−0,0057	−0,014	8.9130	8.7642	0.3423	−8.7867
764*	Arietis	7	21 35,08	3,192	+0,0103	.....	8.7404	8.5920	0.5040	+7.9297
765	Fornacis	6	2 21 40,82	+2,538	−0,0048	+0,001	+8.8190	+8.6710	+0.4045	−8.5720

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
721	34 50 39,4	−16,82	+0,327	0,00	+9.2986	−9.8379	−1.2259	+9.7359	326	55	ii. 242	....	....	G 501
722	95 2 24,8	16,81	0,239	+0,21	−9.6814	+8.8672	1.2256	9.7365	....	58	iii. 225	....	....	M 80
723	116 39 27,9	16,81	0,215	−0,37	−9.8011	+9.5752	1.2255	9.7369	....	59	v. 133	695	331	
724	158 26 43,3	16,80	0,097	+0,38	−9.8242	+9.8917	1.2254	9.7371	....	....	.....	706	332	
725	33 18 5,2	16,79	0,334	.....	+9.3401	−9.8449	1.2251	9.7379	328	....	.....	....	....	Airy (G)
726	132 32 27,8	16,75	0,192	+0,04	−9.8398	+9.7518	1.2240	9.7403	....	....	v. 135	703	334	
727	49 17 13,7	16,75	0,297	+0,09	+8.4771	−9.7361	1.2239	9.7405	....	61	iii. 227	....	....	B.H 44
728	79 50 56,5	16,71	0,258	.....	−9.5183	−9.1670	1.2231	9.7425	....	....	.....	....	....	B.F 298
729	90 17 35,4	16,71	+ 0,247	+0,07	−9.6403	+7.6296	1.2230	9.7426	333	69	ii. 244			
730	167 3 15,2	16,71	− 0,012	−0,01	−9.8038	+9.9095	1.2229	9.7430	....	....	.....	734	338	
731	40 40 39,3	16,70	+ 0,318	+0,05	+9.1367	−9.8004	1.2227	9.7433	331	64	iii. 228			
732	91 34 10,6	16,70	0,247	+0,03	−9.6523	+8.3580	1.2226	9.7435	335	70	ii. 245			
733	34 4 27,7	16,69	0,337	−0,02	+9.3349	−9.8384	1.2224	9.7439	330	65	iii. 229			
734	146 38 1,6	16,67	0,157	−0,23	−9.8469	+9.8416	1.2220	9.7449	....	....	v. 138	717	337	
735	40 24 15,9	16,64	0,321	+0,06	+9.1569	−9.8007	1.2212	9.7466	334	71	iii. 231			
736	147 28 3,8	16,64	0,155	−0,91	−9.8475	+9.8449	1.2212	9.7466	....	....	v. 140	722	340	
737	114 30 1,9	16,64	0,222	+0,08	−9.7968	+9.5367	1.2212	9.7467	....	73	iii. 232	712		
738	80 24 34,4	16,62	0,261	.....	−9.5247	−9.1401	1.2206	9.7480	336	....	.....	....	....	L 41
739	133 53 15,3	16,61	0,192	+0,03	−9.8458	+9.7591	1.2204	9.7484	....	77	iii. 233	721	341	
740	9 1 33,8	16,61	0,637	−0,07	+9.6864	−9.9126	1.2203	9.7488	....	60	iii. 230	....	....	B.H 473
741	80 58 2,8	16,60	0,261	+0,09	−9.5321	−9.1138	1.2202	9.7490	....	75	ii. 248	....	....	W 142
742	120 32 45,5	16,59	0,215	−0,65	−9.8190	+9.6238	1.2199	9.7495	....	....	v. 143	720	344	
743	117 40 28,2	16,59	0,219	−0,56	−9.8097	+9.5846	1.2199	9.7495	....	....	v. 142	718	343	
744	23 16 34,1	16,59	0,395	0,00	+9.5376	−9.8807	1.2198	9.7497	332	72	ii. 247	....	....	B.H 413
745	80 4 18,7	16,59	0,263	+0,05	−9.5193	−9.1541	1.2198	9.7498	338	76	ii. 249	....	....	M 81
746	128 15 27,3	16,58	0,203	−0,09	−9.8383	+9.7092	1.2196	9.7502	....	....	v. 144	723	345	
747	93 27 38,0	16,56	0,249	−0,06	−9.6696	+8.6975	1.2190	9.7515	339	80	ii. 250			
748	141 46 39,3	16,55	0,174	−0,25	−9.8527	+9.8117	1.2187	9.7521	....	....	v. 145	729	346	
749	40 6 16,1	16,54	0,328	+0,10	+9.1850	−9.7998	1.2184	9.7526	337	79	iii. 234	....	....	G 514
750	80 1 58,0	16,52	0,265	+0,35	−9.5176	−9.1541	1.2180	9.7535	....	83	iv. 225			
751	131 31 32,4	16,50	0,199	−0,15	9.8461	+9.7368	1.2175	9.7546	....	90	iii. 236	731		
752	58 52 29,7	16,50	0,293	+0,02	8.8899	−9.6287	1.2175	9.7547	340	84	iii. 235			
753	147 29 36,5	16,49	0,156	−0,71	9.8531	+9.8411	1.2173	9.7550	....	....	v. 148	739	349	
754	102 58 9,6	16,49	0,240	+0,02	9.7408	+9.2662	1.2173	9.7551	343	87	ii. 252	....	....	J 40
755	80 6 50,1	16,49	0,266	+0,13	9.5183	−9.1498	1.2173	9.7551	341	85	ii. 251	....	....	B.F 304
756	159 20 36,3	16,47	0,087	+0,03	9.8368	+9.8857	1.2168	9.7561	....	....	ii. 254	747	351	J 41, R 82
757	61 0 11,7	16,46	0,291	+0,08	9.0112	−9.5997	1.2164	9.7569	342	88	ii. 253			
758	80 28 13,5	16,46	0,267	+0,21	9.5230	−9.1331	1.2164	9.7570	345	91	iii. 237			
759	60 44 46,9	16,43	0,293	−0,05	8.9926	−9.6024	1.2156	9.7587	346	93	iii. 239			
760	82 12 53,7	16,42	0,266	0,00	−9.5468	−9.0449	1.2153	9.7591	347	94	ii. 255	....	....	M 82
761	51 32 6,1	16,40	0,309	.....	+8.2672	−9.7063	1.2147	9.7604	....	....	.....	....	....	G 518
762	150 59 22,6	16,39	0,141	+0,77	−9.8539	+9.8542	1.2146	9.7605	....	....	v. 150	752	352	
763	138 22 48,1	16,35	0,186	+0,36	−9.8579	+9.7850	1.2136	9.7626	....	....	v. 151	753	353	J 42, R 83
764	81 6 19,0	16,35	0,270	.....	−9.5305	−9.1005	1.2135	9.7629	....	....	.....	....	....	B.F 310
765	124 29 14,0	−16,34	+0,215	+0,17	−9.8363	+9.6641	−1.2133	+9.7631	....	99	iii. 241	749	354	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
766	Arietis	6½	2 21 55,30	+3,425	+0,0198	+0,013	+8.7759	+8.6289	+0.5347	+8.3948
767	Hydri x	6	22 2,77	0,303	+0,0757	−0,028	9.3029	9.1564	9.4814	−9.2864
768	Fornacis	6	22 7,92	2,589	−0,0042	0,000	8.8050	8.6588	0.4132	−8.5264
769	26 Arietis	6½	22 14,23	3,341	+0,0161	+0,006	8.7591	8.6133	0.5239	+8.2758
770	Hydri	6	22 21,30	1,222	+0,0179	+0,016	9.1453	9.0000	0.0871	−9.1099
771	27 Arietis	6	22 35,69	3,309	+0,0147	+0,005	8.7533	8.6089	0.5198	+8.2202
772	14 Trianguli	5½	22 57,31	3,627	+0,0297	0,000	8.8225	8.6796	0.5596	+8.5862
773	Fornacis	6	23 4,66	2,733	−0,0020	+0,014	8.7703	8.6278	0.4367	−8.3684
774	Fornacis	6	23 29,21	2,691	−0,0027	+0,006	8.7784	8.6376	0.4299	−8.4180
775	Fornacis	6	23 42,42	2,734	−0,0019	+0,002	8.7689	8.6290	0.4368	−8.3646
776*	Ceti	6	23 44,56	3,093	+0,0069	.....	8.7324	8.5926	0.4903	+7.1786
777*	Cassiopeæ.....	5½	23 53,49	5,510	+0,2005	−0,001	9.2457	9.1066	0.7412	+9.2243
778	75 Ceti	5½	24 31,79	3,047	+0,0055	+0,004	8.7313	8.5947	0.4839	−7.2035
779	Horologii	6	24 31,88	1,382	+0,0114	−0,064	9.1047	8.9681	0.1405	−9.0619
780	29 Arietis	6½	24 41,70	3,273	+0,0132	0,000	8.7447	8.6087	0.5149	+8.1394
781	76 Ceti ..... σ	5	24 58,93	2,845	+0,0003	−0,001	8.7475	8.6126	0.4541	−8.1853
782	Arietis	6½	25 13,92	3,331	+0,0155	+0,009	8.7525	8.6187	0.5226	+8.2475
783	Fornacis	6	26 4,66	2,469	−0,0048	+0,040	8.8272	8.6967	0.3925	−8.6076
784*	Cassiopeæ.....	6	26 31,39	7,999	+0,6294	+0,024	9.5248	9.3961	0.9030	+9.5192
785	Persei	6½	26 31,93	4,067	+0,0555	+0,016	8.9323	8.8036	0.6092	+8.8247
786*	15 Trianguli	6	26 41,46	3,610	+0,0281	+0,006	8.8097	8.6817	0.5575	+8.5576
787	Eridani.....	6	26 41,92	2,228	−0,0051	+0,009	8.8906	8.7626	0.3479	−8.7514
788	Fornacis	6	26 51,49	2,504	−0,0044	−0,013	8.8162	8.6888	0.3987	−8.5782
789	Ceti	6½	27 7,92	3,166	+0,0092	+0,002	8.7306	8.6043	0.5006	+7.8050
790	Fornacis	6	27 16,48	2,628	−0,0032	−0,005	8.7850	8.6593	0.4198	−8.4691
791	77 Ceti	6	27 18,80	2,951	+0,0030	+0,007	8.7321	8.6065	0.4699	−7.9026
792*	79 Ceti	7	27 49,01	3,012	+0,0046	−0,007	8.7277	8.6041	0.4788	−7.5926
793	Ceti	6½	27 51,35	3,158	+0,0090	+0,118	8.7290	8.6055	0.4993	+7.7601
794	78 Ceti ..... ν	4½	28 0,38	3,140	+0,0084	−0,005	8.7279	8.6050	0.4969	+7.6625
795	Cassiopeæ.....	7	28 4,19	5,405	+0,1805	−0,010	9.2129	9.0903	0.7328	+9.1885
796*	30 Arietis	6	28 19,41	3,429	+0,0193	+0,016	8.7650	8.6434	0.5352	+8.3742
797	Arietis	6½	28 22,18	3,430	+0,0193	+0,015	8.7650	8.6435	0.5352	+8.3742
798	31 Arietis	5½	28 27,47	3,239	+0,0117	+0,020	8.7349	8.6138	0.5104	+8.0454
799	80 Ceti	6	28 37,23	2,950	+0,0030	0,000	8.7302	8.6097	0.4698	−7.8992
800	Ceti	6½	28 38,72	3,171	+0,0094	+0,003	8.7287	8.6083	0.5012	+7.8192
801	Horologii	6	28 47,79	2,045	−0,0038	−0,022	8.9334	8.8136	0.3107	−8.8284
802	Cassiopeæ.....	7	29 34,96	5,023	+0,1358	+0,051	9.1396	9.0229	0.7009	+9.1050
803	Fornacis	6	29 41,05	2,588	−0,0034	−0,005	8.7894	8.6732	0.4130	−8.4975
804*	Horologii	6	29 48,50	1,565	+0,0054	.....	9.0468	8.9310	0.1945	−8.9912
805	Horologii	6	29 52,52	1,457	+0,0087	−0,061	9.0702	8.9547	0.1636	−9.0210
806	Persei	6	29 57,22	4,118	+0,0576	+0,007	8.9356	8.8204	0.6147	+8.8330
807	81 Ceti	5½	30 8,58	3,013	+0,0047	+0,006	8.7243	8.6098	0.4790	−7.5729
808	32 Arietis ..... ν	5½	30 18,56	3,389	+0,0174	+0,003	8.7537	8.6399	0.5300	+8.3141
809*	Fornacis	6	30 44,65	2,494	−0,0041	−0,011	8.8101	8.6980	0.3968	−8.5710
810	Arietis	7	2 30 59,91	+3,215	+0,0109	+0,027	+8.7286	+8.6175	+0.5071	+7.9677

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
766	65 25 56,7	−16,33	+0,290	+0,06	−9.1858	−9.5296	−1.2130	+9.7638	....	96	ii. 257	....	....	W 147
767	164 19 31,9	16,32	0,026	−0,01	9.8303	+9.8942	1.2128	9.7641	....	....	.....	774	358	
768	121 46 36,6	16,32	0,220	+0,43	9.8293	+9.6320	1.2127	9.7643	....	....	v. 153	751	356	
769	70 48 47,8	16,32	0,283	+0,01	9.3401	−9.4271	1.2126	9.7646	349	98	ii. 258	....	....	M 83
770	157 10 20,9	16,31	0,104	+0,39	9.8481	+9.8748	1.2124	9.7649	....	....	.....	769	357	
771	72 57 41,1	16,30	0,281	+0,04	9.3876	−9.3768	1.2121	9.7655	351	101	ii. 259			
772	54 31 19,8	16,28	0,309	+0,02	8.1584	−9.6731	1.2116	9.7665	350	102	iii. 242			
773	113 21 8,2	16,27	0,233	−0,09	9.7994	+9.5073	1.2114	9.7668	....	104	iii. 244	757		
774	115 51 24,6	16,25	0,230	−0,06	9.8103	+9.5483	1.2109	9.7679	....	106	iii. 246	761	360	
775	113 12 42,9	16,24	0,234	+0,01	9.7994	+9.5040	1.2106	9.7685	....	107	ii. 260	763		
776	88 23 55,7	16,24	0,265	.....	−9.6206	−8.3546	1.2105	9.7686	....	....	.....	....	....	B.H 524
777	17 50 34,2	16,23	0,472	−0,01	+9.6295	−9.8867	1.2103	9.7689	348	97	iii. 245	....	....	B.H 433
778	91 41 58,5	16,20	0,262	+0,03	−9.6545	+8.3794	1.2095	9.7706	354	110	ii. 261			
779	154 58 22,0	16,20	0,119	+0,20	−9.8561	+9.8644	1.2094	9.7706	....	....	.....	779	363	
780	75 37 57,8	16,19	0,282	−0,03	−9.4376	−9.3017	1.2092	9.7710	352	109	ii. 262			
781	105 54 19,4	16,17	0,245	+0,07	−9.7630	+9.3444	1.2088	9.7718	356	113	iii. 249	....	....	J 43
782	71 47 2,6	16,16	0,288	−0,04	−9.3562	−9.4012	1.2085	9.7724	355	112	ii. 264			
783	127 5 32,5	16,12	0,214	+0,14	−9.8483	+9.6855	1.2073	9.7746	....	....	v. 155	776	364	
784	9 11 39,1	16,09	0,696	.....	+9.7158	−9.8988	1.2067	9.7757	344	....	.....	....	....	G 527
785	38 41 48,9	16,09	0,354	−0,08	+9.2887	−9.7968	1.2067	9.7758	....	115	iii. 250	....	....	G 531
786	55 58 12,6	16,09	0,314	+0,04	−8.4048	−9.6521	1.2064	9.7762	357	116	iii. 251			
787	136 32 3,0	16,09	0,194	−0,09	9.8645	+9.7650	1.2064	9.7762	....	....	v. 156	785	367	
788	125 18 45,9	16,08	0,218	+0,05	9.8449	+9.6659	1.2062	9.7766	....	120	iii. 252	781	366	
789	83 11 2,0	16,06	0,277	+0,12	9.5561	−8.9780	1.2058	9.7773	....	118	ii. 265	....	....	W 153
790	118 53 35,4	16,05	0,230	0,00	9.8258	+9.5875	1.2056	9.7776	....	122	ii. 267	783	368	
791	98 30 56,6	16,05	0,258	+0,02	9.7143	+9.0738	1.2056	9.7777	359	121	ii. 266			
792	94 12 5,5	16,03	0,264	+0,42	9.6783	+8.7675	1.2048	9.7790	363	124	iii. 253			
793	83 50 0,2	16,02	0,277	−1,31	9.5646	−8.9336	1.2048	9.7791	....	123	ii. 268	....	....	W 156
794	85 3 52,1	16,02	0,276	+0,03	−9.5805	−8.8370	1.2046	9.7795	362	125	ii. 269	....	....	M 84
795	19 1 34,6	16,01	0,475	+0,07	+9.6311	−9.8779	1.2045	9.7796	353	....	.....	....	....	G 532
796	66 0 29,4	16,00	0,302	−0,03	−9.1798	−9.5111	1.2041	9.7803	360	126	ii. 270			
797	66 0 29,2	16,00	0,302	−0,02	−9.1798	−9.5110	1.2040	9.7804	361	128	ii. 271			
798	78 12 18,6	15,99	0,285	+0,05	−9.4793	−9.2122	1.2039	9.7806	364	129	ii. 272			
799	98 29 10,0	15,98	0,260	+0,04	−9.7146	+9.0705	1.2037	9.7810	365	131	ii. 274			
800	82 55 30,0	15,98	0,279	−0,02	−9.5518	−8.9919	1.2036	9.7811	....	130	ii. 273	....	....	W 160
801	141 45 6,6	15,98	0,180	−0,05	−9.8713	+9.7963	1.2034	9.7815	....	....	v. 158	799	370	
802	22 35 2,7	15,93	0,445	+0,01	+9.5955	−9.8654	1.2023	9.7834	358	....	.....	....	....	G 535
803	120 42 8,5	15,93	0,229	+0,17	−9.8347	+9.6080	1.2021	9.7837	....	137	iii. 255	798	372	
804	151 37 46,6	15,92	0,139	.....	−9.8700	+9.8442	1.2020	9.7840	....	....	.....	810		
805	153 14 39,7	15,92	0,129	−0,35	−9.8684	+9.8505	1.2019	9.7841	....	....	v. 160	812	373	
806	37 50 45,5	15,91	0,366	−0,02	+9.3310	−9.7970	1.2018	9.7843	....	132	iii. 254	....	....	G 536
807	94 2 50,3	15,90	0,268	−0,01	−9.6775	+8.7479	1.2015	9.7848	368	138	ii. 275			
808	68 41 26,6	15,89	0,301	+0,03	−9.2617	−9.4594	1.2012	9.7852	367	136	ii. 276	....	....	M 85
809	125 13 8,2	15,87	0,222	+0,14	−9.8495	+9.6593	1.2006	9.7863	....	141	iii. 258	805	374	
810	80 0 48,1	−15,86	+0,287	+0,21	−9.5068	−9.1371	−1.2002	+9.7869	....	140	iii. 259	....	....	B.F 328

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
811	82 Ceti ..... δ	4	2 31 48,13	+3,066	+0,0062	+0,008	+8.7207	+8.6128	+0.4866	−6.4704
812	Fornacis	6	31 50,47	2,580	−0,0032	+0,004	8.7869	8.6791	0.4115	−8.4968
813	33 Arietis	6	31 55,83	3,479	+0,0211	+0,009	8.7684	8.6610	0.5415	+8.4167
814	Cassiopeæ.....	6	31 59,08	5,027	+0,1334	−0,004	9.1319	9.0246	0.7013	+9.0965
815	83 Ceti ..... ε	4½	32 18,69	2,888	+0,0017	+0,011	8.7304	8.6244	0.4605	−8.0662
816	11 Persei	6½	32 20,75	4,225	+0,0640	+0,007	8.9556	8.8497	0.6259	+8.8661
817	Ceti	7	32 21,29	3,150	+0,0087	+0,008	8.7219	8.6161	0.4982	+7.7005
818	Fornacis	6	32 22,75	2,411	−0,0044	+0,032	8.8272	8.7215	0.3822	−8.6226
819	Persei	6	32 26,80	4,161	+0,0594	.....	8.9391	8.8337	0.6192	+8.8408
820	Horologii ..... η	5½	32 28,07	1,968	−0,0025	+0,024	8.9422	8.8369	0.2940	−8.8457
821*	12 Persei	5½	32 47,85	3,754	+0,0343	0,000	8.8322	8.7281	0.5744	+8.6362
822*	Persei	neb.	32 54	3,817	+0,0378	.....	8.8484	8.7447	0.5817	+8.6743
823	84 Ceti	6	33 33,02	3,051	+0,0058	+0,005	8.7183	8.6171	0.4845	−7.0860
824*	Hydri	6	33 47,33	0,003	+0,0924	−0,057	9.3001	9.1999	7.5315	−9.2847
825	34 Arietis ..... μ	6	33 55,12	3,363	+0,0161	+0,005	8.7429	8.6432	0.5267	+8.2636
826*	Arietis	7	33 56,51	3,216	+0,0108	+0,003	8.7241	8.6244	0.5073	+7.9594
827	13 Persei ..... θ	4	33 58,80	4,014	+0,0491	+0,037	8.8970	8.7975	0.6036	+8.7721
828	Eridani.....	5	34 4,65	2,279	−0,0044	−0,003	8.8571	8.7580	0.3578	−8.6952
829	14 Persei	6	34 20,11	3,866	+0,0401	0,000	8.8575	8.7594	0.5873	+8.6966
830*	Arietis	6	34 24,72	3,219	+0,0109	−0,001	8.7236	8.6258	0.5078	+7.9675
831	35 Arietis	4	34 39,69	3,497	+0,0216	+0,002	8.7668	8.6700	0.5438	+8.4249
832	Eridani..... ι	4	34 45,10	+2,357	−0,0043	+0,021	8.8353	8.7388	+0.3723	−8.6478
833	Hydri ..... μ	6	34 51,22	−1,559	+0,2663	−0,064	9.4664	9.3703	−0.1929	−9.4594
834*	Arietis	6½	35 8,77	+3,461	+0,0199	.....	8.7584	8.6635	+0.5392	+8.3843
835	Hydri	6	35 26,31	1,000	+0,0264	−0,019	9.1407	9.0469	9.9999	−9.1077
836*	Cassiopeæ.....	8	35 29,51	5,256	+0,1530	+0,002	9.1608	9.0672	0.7207	+9.1310
837	86 Ceti ..... γ	3	35 32,07	3,109	+0,0075	−0,007	8.7156	8.6221	0.4926	+7.3724
838	36 Arietis	7	35 57,35	3,330	+0,0148	+0,007	8.7342	8.6424	0.5224	+8.2033
839*	Horologii ..... ζ	5½	35 59,79	1,860	−0,0007	−0,002	8.9579	8.8663	0.2696	−8.8723
840	Fornacis	6	36 8,08	2,388	−0,0041	−0,005	8.8239	8.7328	0.3781	−8.6230
841	Horologii	6	36 16,61	1,269	+0,0149	−0,064	9.0869	8.9963	0.1036	−9.0439
842	37 Arietis ..... e	6½	36 17,50	3,291	+0,0133	+0,003	8.7284	8.6379	0.5174	+8.1320
843	Eridani.....	6	36 44,49	2,160	−0,0038	+0,002	8.8808	8.7921	0.3344	−8.7461
844	38 Arietis	5½	36 47,67	3,247	+0,0117	+0,012	8.7225	8.6339	0.5115	+8.0336
845	Arietis	4	36 50,33	3,212	+0,0105	+0,020	8.7191	8.6307	0.5067	+7.9357
846	Hydri	6	36 57,38	1,018	+0,0253	+0,006	9.1320	9.0441	0.0079	−9.0979
847	89 Ceti ..... π	4	36 59,13	2,852	+0,0012	−0,001	8.7269	8.6391	0.4551	−8.1255
848*	Hydri	6	36 59,84	1,102	+0,0216	.....	9.1166	9.0288	0.0421	−9.0798
849	Hydri ..... ε	5	37 17,66	0,874	+0,0322	−0,013	9.1564	9.0697	9.9413	−9.1262
850	Hydri	6	37 24,37	0,563	+0,0496	+0,042	9.2067	9.1205	9.7507	−9.1832
851	Horologii	6	37 27,50	2,007	−0,0025	+0,025	8.9175	8.8315	0.3024	−8.8108
852	Ceti	6½	37 29,46	3,131	+0,0081	+0,014	8.7132	8.6274	0.4957	+7.5651
853	Eridani.....	6	37 30,49	2,329	−0,0040	−0,009	8.8354	8.7496	0.3672	−8.6538
854	Fornacis	6	37 34,44	2,654	−0,0019	−0,015	8.7588	8.6733	0.4239	−8.4029
855*	Fornacis	6	2 38 2,99	+2,515	−0,0032	−0,001	+ 8.7884	+ 8.7047	+ 0.4005	−8.5264

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
811	90 19 18,5	−15,81	+0,275	+0,03	−9.6410	+7.6465	−1.1990	+9.7889	372	144	ii. 278	....	....	M 86
812	120 50 35,4	15,81	0,231	+0,17	−9.8376	+9.6066	1.1990	9.7890	....	147	iii. 260	811	376	
813	63 35 6,8	15,81	0,312	−0,01	−9.0603	−9.5449	1.1989	9.7892	370	143	ii. 277			
814	22 49 3,6	15,80	0,451	+0,04	+9.6011	−9.8612	1.1988	9.7893	366	....	.....	....	....	G 537
815	102 30 41,0	15,79	0,260	+0,23	−9.7461	+9.2318	1.1983	9.7901	375	149	ii. 280	....	....	J 45
816	35 32 19,5	15,79	0,380	+0,03	+9.3976	−9.8065	1.1982	9.7902	369	142	iii. 261			
817	84 32 14,1	15,78	0,283	+0,04	−9.5721	−8.8746	1.1982	9.7902	....	148	ii. 279	....	....	W 163
818	128 38 13,0	15,78	0,217	−0,03	−9.8599	+9.6914	1.1982	9.7903	....	....	v. 162	815	377	
819	37 7 2,8	15,78	0,375	.....	+9.3623	−9.7976	1.1981	9.7904	....	....	.....	....	....	G 540
820	143 11 35,8	15,78	0,177	−0,06	−9.8775	+9.7993	1.1981	9.7905	....	....	v. 163	821	378	
821	50 26 36,7	15,76	0,339	+0,16	+8.7723	−9.6994	1.1976	9.7913	371	146	iii. 262	....	....	G 542
822	47 57	15,76	0,344	.....	+8.9647	−9.7211	1.1974	9.7915	....	....	.....	....	....	A
823	91 20 11,2	15,72	0,276	+0,12	−9.6516	+8.2620	1.1964	9.7931	378	152	ii. 281			
824	164 50 6,3	15,71	0,000	.....	−9.8535	+9.8785	1.1961	9.7937	....	....	.....	856	385	
825	70 37 48,5	15,70	0,305	+0,01	−9.3075	−9.4144	1.1959	9.7940	377	153	ii. 283	....	....	M 87
826	80 6 3,1	15,70	0,292	+0,23	−9.5058	−9.1289	1.1959	9.7940	379	155	ii. 284	....	....	B.F 338
827	41 24 35,2	15,70	0,364	+0,10	+9.2548	−9.7686	1.1958	9.7941	374	150	ii. 282			
828	133 32 15,1	15,69	0,207	+0,04	−9.8713	+9.7315	1.1957	9.7943	....	158	ii. 285	827	383	J 46
829	46 20 40,7	15,68	0,352	+0,03	+9.0663	−9.7321	1.1953	9.7950	376	154	iii. 263			
830	79 54 6,5	15,67	0,293	+0,06	−9.5022	−9.1368	1.1951	9.7951	381	156	ii. 286	....	....	B.F 340
831	62 56 2,1	15,66	0,319	−0,02	−9.0090	−9.5506	1.1948	9.7957	380	157	ii. 287			
832	130 29 56,2	15,65	+0,215	−0,01	−9.8668	+9.7049	1.1946	9.7959	....	159	ii. 288	831	384	J 47, R 84
833	169 45 45,1	15,65	−0,142	0,00	−9.8405	+9.8853	1.1945	9.7962	....	....	.....	883	390	R 85
834	65 0 10,2	15,63	+0,316	.....	−9.1092	−9.5177	1.1940	9.7969	....	....	.....	....	....	B.F 339
835	157 56 51,9	15,62	0,092	−0,13	−9.8718	+9.8584	1.1936	9.7976	....	....	.....	854	386	
836	21 0 7,0	15,61	0,481	0,00	+9.6339	−9.8614	1.1935	9.7977	373	....	.....	....	....	Airy (G)
837	87 23 56,4	15,61	0,285	+0,16	−9.6075	−8.5481	1.1934	9.7978	383	161	ii. 289			
838	72 52 20,0	15,59	0,306	−0,05	9.3606	−9.3597	1.1928	9.7988	384	162	ii. 290			
839	145 11 41,0	15,59	0,171	+0,31	9.8833	+9.8049	1.1927	9.7989	....	....	v. 168	847	388	
840	129 1 30,4	15,58	0,219	−0,09	9.8655	+9.6894	1.1925	9.7992	....	168	iii. 264	841	387	
841	154 55 40,1	15,57	0,117	+0,03	9.8778	+9.8471	1.1923	9.7995	....	....	.....	863	391	
842	75 19 40,6	15,57	0,303	+0,07	9.4153	−9.2937	1.1923	9.7996	385	164	ii. 291	....	....	M 88
843	137 9 42,9	15,55	0,199	+0,24	9.8799	+9.7546	1.1916	9.8006	....	....	v. 170	848	392	
844	78 11 17,5	15,54	0,299	+0,07	9.4704	−9.2004	1.1915	9.8007	386	166	ii. 292			
845	80 31 19,7	15,54	0,296	+0,05	9.5104	−9.1058	1.1914	9.8008	387	167	ii. 293	....	....	B.F 347
846	157 36 12,6	15,53	0,094	+0,43	9.8751	+9.8550	1.1913	9.8011	....	....	.....	867	396	
847	104 29 49,1	15,53	0,263	+0,02	9.7623	+9.2875	1.1912	9.8012	388	170	ii. 294	....	....	J 48
848	156 44 58,5	15,53	0,102	.....	9.8766	+9.8522	1.1912	9.8012	....	....	.....	866		
849	158 54 42,9	15,51	0,081	+0,22	9.8735	+9.8584	1.1907	9.8019	....	....	ii. 296	871	398	J 49
850	161 19 8,0	15,51	0,052	−0,85	9.8691	+9.8648	1.1906	9.8021	....	....	.....	877	400	
851	141 26 55,7	15,51	0,186	−0,34	9.8845	+9.7815	1.1905	9.8023	....	....	v. 172	859	397	
852	85 55 23,4	15,50	0,290	+0,05	9.5886	−8.7401	1.1904	9.8023	....	171	iv. 241	....	....	B.F 353
853	131 10 6,3	15,50	0,216	+0,04	9.8718	+9.7066	1.1904	9.8024	....	173	iii. 265	852	395	
854	116 8 24,5	15,50	0,246	+0,94	9.8256	+9.5321	1.1903	9.8025	....	....	v. 173	850	394	
855	123 9 38,5	−15,47	+0,233	+0,08	−9.8521	+9.6253	−1.1896	+9.8036	....	176	iii. 266	855	399	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
856	1 Eridani ..... τ^1	4½	2 38 6,34	+2,774	0,0000	+0,026	+8.7360	+8.6525	+0.4431	−8.2533
857*	Persei	7	38 12,63	4,352	+0,0699	.....	8.9680	8.8849	0.6387	+8.8886
858*	Persei	6½	38 28,61	4,356	+0,0701	.....	8.9682	8.8861	0.6391	+8.8890
859*	Cassiopeæ	7	38 40,42	5,211	+0,1444	+0,002	9.1416	9.0603	0.7169	+9.1096
860	Hydri	6	38 42,40	0,741	+0,0389	+0,024	9.1736	9.0924	9.8699	−9.1462
861	39 Arietis	4	38 59,23	3,537	+0,0227	+0,012	8.7664	8.6863	0.5487	+8.4467
862	Horologii	6	39 22,38	1,925	−0,0014	+0,005	8.9318	8.8532	0.2845	−8.8353
863	15 Persei ..... η	4	39 47,13	4,309	+0,0660	+0,003	8.9528	8.8758	0.6344	+8.8676
864	Eridani	6	39 54,17	2,256	−0,0037	−0,032	8.8475	8.7710	0.3534	−8.6851
865	Eridani	6	39 54,28	2,152	−0,0035	+0,027	8.8739	8.7973	0.3328	−8.7375
866	Arietis	6½	40 3,24	3,463	+0,0195	+0,008	8.7493	8.6733	0.5395	+8.3680
867	40 Arietis	6	40 8,03	3,344	+0,0150	+0,005	8.7289	8.6532	0.5243	+8.2108
868	Horologii	6	40 11,63	1,341	+0,0122	−0,074	9.0592	8.9838	0.1274	−9.0112
869	Hydri	5½	40 49,58	1,002	+0,0254	+0,026	9.1213	9.0483	0.0010	−9.0864
870	42 Arietis ..... π	5	40 55,79	3,332	+0,0145	+0,003	8.7257	8.6531	0.5227	+8.1876
871	16 Persei	4½	41 7,91	3,739	+0,0316	+0,020	8.8080	8.7362	0.5727	+8.5944
872	41 Arietis	3	41 9,89	3,504	+0,0210	+0,006	8.7550	8.6833	0.5446	+8.4067
873	Fornacis	6	41 28,54	2,437	−0,0034	−0,009	8.7988	8.7283	0.3869	−8.5699
874	Hydri	6	41 29,97	0,717	+0,0394	+0,004	9.1675	9.0971	9.8555	−9.1399
875	Perseus	6	42 15,09	4,199	+0,0574	.....	8.9189	8.8514	0.6231	+8.8176
876	Horologii ..... γ	5½	42 16,20	1,260	+0,0149	+0,052	9.0681	9.0006	0.1005	−9.0230
877	17 Persei	5½	42 17,25	3,667	+0,0280	+0,006	8.7882	8.7208	0.5643	+8.5406
878	Fornacis ..... υ	5½	42 38,50	2,389	−0,0034	−0,005	8.8076	8.7415	0.3783	−8.5972
879	Fornacis ..... β	5	42 48,68	2,504	−0,0029	+0,005	8.7802	8.7149	0.3986	−8.5168
880*	Fornacis ..... γ	5½	43 12,32	2,660	−0,0013	−0,001	8.7463	8.6825	0.4249	−8.3752
881	43 Arietis ..... σ	6	43 13,09	3,296	+0,0132	+0,003	8.7170	8.6531	0.5180	+8.1144
882	Hydri ..... ζ	5	43 14,78	0,881	+0,0306	−0,007	9.1340	9.0703	9.9447	−9.1020
883	Fornacis	6	43 24,31	2,595	−0,0021	+0,001	8.7590	8.6959	0.4141	−8.4386
884	Eridani	6½	43 32,24	2,133	−0,0030	.....	8.8685	8.8058	0.3290	−8.7324
885	18 Persei ..... τ	5	43 39,13	4,197	+0,0568	+0,002	8.9143	8.8522	0.6230	+8.8117
886	Fornacis	5½	44 11,49	2,422	−0,0031	+0,016	8.7960	8.7359	0.3841	−8.5701
887	2 Eridani ..... τ^2	4½	44 14,15	2,723	−0,0004	−0,003	8.7330	8.6731	0.4350	−8.2995
888	20 Persei	6½	44 15,48	3,750	+0,0316	+0,006	8.8031	8.7432	0.5740	+8.5897
889	Hydri	6	44 32,49	0,384	+0,0579	−0,025	9.2079	9.1491	9.5844	−9.1857
890	Fornacis	5½	44 36,85	2,424	−0,0031	+0,013	8.7944	8.7359	0.3846	−8.5666
891	Ceti	8	44 44,26	3,161	+0,0089	+0,008	8.7027	8.6447	0.4998	+7.7115
892	Arietis	7	44 50,99	3,321	+0,0139	+0,008	8.7172	8.6596	0.5213	+8.1540
893	Eridani	6	44 59,33	2,316	−0,0033	−0,010	8.8194	8.7623	0.3648	−8.6324
894	Fornacis	6	45 35,31	2,530	−0,0024	+0,009	8.7680	8.7132	0.4031	−8.4853
895	Horologii	7	45 42,70	1,302	+0,0132	.....	9.0483	8.9940	0.1145	−8.9998
896*	Cassiopeæ	6	46 24,43	7,561	+0,4497	−0,001	9.4100	9.3584	0.8786	+9.4017
897	Persei	6	46 26,62	4,008	+0,0444	.....	8.8602	8.8087	0.6029	+8.7212
898	44 Arietis ..... ρ^1	7½	46 31,37	3,344	+0,0146	+0,006	8.7172	8.6660	0.5243	+8.1862
899	Horologii	6	46 57,82	1,657	+0,0037	−0,026	8.9702	8.9207	0.2192	−8.8977
900	Eridani	6	2 47 2,16	+2,269	−0,0031	−0,046	+8.8256	+8.7764	+0.3558	−8.6512

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
856	109 12 37,0	−15,47	+0,258	−0,03	−9.7918	+9.4045	−1.1895	+9.8038	390	175	ii. 297			
857	33 35 49,9	15,46	0,404	.....	+9.4629	−9.8077	1.1893	9.8040	....	....	.....	....	....	B.F 341
858	33 32 45,5	15,45	0,405	.....	+9.4649	−9.8075	1.1889	9.8046	....	....	.....	....	....	B.F 343
859	21 44 17,3	15,44	0,485	0,00	+9.6357	−9.8543	1.1886	9.8051	382	....	.....	....	....	Airy (G)
860	159 52 31,6	15,44	0,069	+0,26	−9.8744	+9.8589	1.1885	9.8051	....	....	.....	880	401	
861	61 22 44,8	15,42	0,330	+0,11	−8.8727	−9.5662	1.1881	9.8058	389	178	ii. 298			
862	143 12 21,0	15,40	0,180	+0,13	−9.8882	+9.7888	1.1875	9.8067	....	....	v. 174	874	403	
863	34 43 53,2	15,38	0,404	0,00	+9.4479	−9.7994	1.1868	9.8076	....	179	ii. 299			
864	133 28 5,9	15,37	0,211	−0,08	−9.8791	+9.7220	1.1866	9.8079	....	....	v. 177	875	406	
865	136 55 14,3	15,37	0,202	0,00	9.8841	+9.7480	1.1866	9.8079	....	....	v. 178	876	405	
866	65 26 29,4	15,36	0,325	+0,01	9.1055	−9.5029	1.1864	9.8082	391	181	ii. 300	....	....	B.F 351
867	72 20 32,5	15,36	0,314	−0,07	9.3393	−9.3660	1.1863	9.8084	393	182	ii. 301			
868	153 33 26,4	15,35	0,126	+0,81	9.8861	+9.8360	1.1862	9.8085	....	....	.....	885	407	
869	157 20 59,5	15,32	0,094	+0,53	9.8825	+9.8481	1.1852	9.8099	....	....	.....	893	408	
870	73 9 44,7	15,31	0,314	−0,04	−9.3585	−9.3447	1.1850	9.8102	397	185	ii. 302	....	....	M 90
871	52 18 9,3	15,30	0,353	+0,08	+8.7160	−9.6688	1.1847	9.8106	394	183	ii. 303			
872	63 21 38,1	15,30	0,331	+0,10	−8.9912	−9.5340	1.1846	9.8107	395	186	ii. 304			
873	126 10 42,4	15,28	0,230	+0,07	−9.8649	+9.6530	1.1841	9.8114	....	189	iii. 267	879	409	
874	159 47 50,4	15,28	0,068	+0,03	−9.8796	+9.8543	1.1841	9.8114	....	....	.....	898	411	
875	37 37 24,2	15,24	0,398	.....	+9.3983	−9.7794	1.1829	9.8131	....	....	.....	....	....	G 568
876	154 20 40,3	15,24	0,120	+1,31	−9.8888	+9.8355	1.1828	9.8131	....	....	.....	896	414	
877	55 33 43,5	15,23	0,348	+0,11	+7.9956	−9.6330	1.1828	9.8132	398	188	iii. 268			
878	128 1 47,6	15,21	0,227	−0,09	−9.8711	+9.6696	1.1822	9.8140	....	194	iii. 269	887	413	
879	123 2 17,8	15,20	0,238	−0,21	9.8570	+9.6163	1.1820	9.8143	....	195	ii. 306	888	415	J 50
880	115 10 37,2	15,18	0,254	−0,06	9.8265	+9.5079	1.1813	9.8152	....	198	ii. 309	890	417	
881	75 32 21,6	15,18	0,314	+0,03	9.4099	−9.2765	1.1813	9.8152	400	192	ii. 307	....	....	M 91
882	158 14 54,0	15,18	0,084	+0,05	9.8853	+9.8469	1.1812	9.8153	....	....	ii. 310	907	420	J 51, R 86
883	118 33 55,0	15,17	0,248	−0,17	9.8413	+9.5583	1.1810	9.8156	....	200	iii. 270	892		
884	136 58 24,2	15,16	0,204	.....	−9.8891	+9.7425	1.1808	9.8159	....	....	v. 180	....	418	
885	37 51 19,3	15,16	0,401	+0,01	+9.3993	−9.7757	1.1806	9.8162	399	190	ii. 308			
886	126 28 2,9	15,12	0,232	−0,02	−9.8688	+9.6515	1.1797	9.8174	....	204	iii. 274	897	421	
887	111 37 28,9	15,12	0,261	+0,01	−9.8099	+9.4439	1.1796	9.8175	404	202	ii. 311	....	....	J 52
888	52 16 38,5	15,12	0,359	+0,07	+8.7679	−9.6640	1.1796	9.8175	401	199	iii. 272			
889	161 52 19,9	15,11	0,037	+1,04	−9.8809	+9.8548	1.1791	9.8181	....	....	.....	916	426	
890	126 17 43,2	15,10	0,233	+0,09	9.8688	+9.6491	1.1790	9.8183	....	205	iii. 275	899	423	
891	84 8 37,6	15,09	0,304	.....	9.5617	−8.8853	1.1788	9.8186	403	....	.....	....	....	B 19
892	74 7 53,9	15,09	0,319	+0,07	9.3751	−9.3132	1.1786	9.8188	....	203	ii. 312	....	....	W 174
893	130 33 13,9	15,08	0,223	−0,02	9.8799	+9.6892	1.1784	9.8191	....	207	iii. 276	902	424	
894	121 26 17,2	15,04	0,244	−0,06	9.8544	+9.5925	1.1774	9.8204	....	208	iii. 278	903	427	
895	153 25 48,3	15,04	0,126	.....	−9.8954	+9.8265	1.1772	9.8207	....	....	.....	....	....	R 87
896	11 10 55,6	15,00	0,732	−0,02	+9.7537	−9.8655	1.1760	9.8221	392	191	iii. 277	....	....	B.H 489
897	43 26 53,6	14,99	0,388	.....	+9.2641	−9.7346	1.1759	9.8222	....	....	.....	....	....	G 585
898	72 52 36,8	14,99	0,324	−0,06	−9.3406	−9.3426	1.1758	9.8224	405	210	iii. 280			
899	147 48 30,4	14,96	0,161	−0,44	−9.9002	+9.8003	1.1751	9.8233	....	....	v. 183	919	429	
900	132 0 31,0	−14,96	+0,220	+0,36	−9.8854	+9.6983	−1.1749	+9.8235	....	....	v. 182	912	428	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
901	45 Arietis ..... ρ^2	6	2 47 23,25	+3,356	+0,0149	+0,002	+8.7171	+8.6692	+0.5258	+8.2006
902	Fornacis	6	47 41,74	2,346	−0,0031	−0,001	8.8053	8.7586	0.3703	−8.6047
903	46 Arietis ..... ρ^3	6	47 58,57	3,351	+0,0147	+0,023	8.7154	8.6698	0.5252	+8.1917
904	21 Persei	5½	48 11,77	3,616	+0,0248	+0,004	8.7631	8.7183	0.5582	+8.4790
905	Ceti	6½	48 12,79	3,193	+0,0097	+0,008	8.6986	8.6539	0.5042	+7.8299
906	Horologii	6	48 29,28	1,219	+0,0158	−0,034	9.0548	9.0111	0.0860	−9.0090
907	Hydri	5½	48 44,03	0,833	+0,0316	−0,015	9.1228	9.0800	9.9207	−9.0903
908	Cassiopeæ.....	7	48 48,18	+8,666	+0,6464	−0,042	9.4936	9.4511	+0.9378	+9.4881
909	Hydri	6	48 55,11	−0,161	+0,0943	−0,039	9.2654	9.2233	−9.2058	−9.2492
910	3 Eridani..... η	3	49 6,07	+2,920	+0,0032	+0,008	8.6991	8.6577	+0.4654	−7.9166
911	Horologii	6	49 9,02	1,265	+0,0142	+0,114	9.0437	9.0026	0.1021	−8.9956
912	22 Persei ..... π	5	49 11,15	3,801	+0,0329	+0,005	8.8028	8.7618	0.5799	+8.6022
913	47 Arietis	6	49 30,64	3,400	+0,0162	+0,019	8.7196	8.6798	0.5314	+8.2549
914	Persei	5½	49 40,31	4,025	+0,0443	.....	8.8552	8.8160	0.6048	+8.7166
915	24 Persei	5½	49 46,91	3,693	+0,0278	−0,001	8.7763	8.7375	0.5673	+8.5303
916	Persei	6	49 59,23	3,840	+0,0347	.....	8.8101	8.7721	0.5844	+8.6220
917	Fornacis	6	50 0,56	2,332	−0,0029	−0,006	8.8026	8.7647	0.3678	−8.6039
918*	Persei	6	50 12,80	4,218	+0,0552	+0,012	8.8994	8.8623	0.6251	+8.7945
919	Horologii	6	50 16,84	1,033	+0,0227	−0,012	9.0829	9.0460	0.0139	−9.0439
920*	Arietis	7	50 17,76	3,418	+0,0168	+0,007	8.7209	8.6841	0.5338	+8.2756
921	48 Arietis ..... ε	5	50 38,63	3,414	+0,0166	+0,004	8.7195	8.6840	0.5332	+8.2686
922	4 Eridani.....	5½	50 43,66	2,658	−0,0008	+0,008	8.7311	8.6960	0.4246	−8.3483
923	Fornacis	6	50 46,77	2,412	−0,0026	−0,006	8.7821	8.7472	0.3824	−8.5512
924	Fornacis	6	50 52,17	2,537	−0,0020	−0,003	8.7545	8.7199	0.4043	−8.4595
925*	Horologii	6	51 16,28	1,075	+0,0209	.....	9.0719	9.0388	0.0313	−9.0310
926	6 Eridani.....	5½	51 25,49	2,662	−0,0007	+0,006	8.7290	8.6965	0.4252	−8.3420
927	Horologii	6	51 28,00	+1,116	+0,0193	−0,075	9.0637	9.0314	+0.0477	−9.0212
928	Hydri ..... ν	5½	51 30,39	−0,499	+0,1202	−0,023	9.2963	9.2640	−9.6978	−9.2826
929	91 Ceti ..... λ	5½	51 41,03	+ 3,204	+0,0099	+0,009	8.6932	8.6616	+ 0.5056	+7.8530
930	Fornacis	6	51 41,72	2,339	−0,0027	0,000	8.7968	8.7653	0.3690	−8.5938
931*	Horologii	5	51 43,49	1,226	+0,0154	.....	9.0424	9.0110	0.0885	−8.9951
932*	Persei	7½	51 53,73	3,721	+0,0287	+0,010	8.7776	8.7469	0.5707	+8.5418
933*	50 Arietis	7	52 6,69	3,357	+0,0146	+0,007	8.7082	8.6783	0.5259	+8.1841
934	5 Eridani.....	6	52 6,98	3,022	+0,0053	+0,001	8.6885	8.6586	0.4803	−7.4165
935*	Horologii	6	52 18,15	1,157	+0,0178	.....	9.0534	9.0242	0.0633	−9.0089
936*	Persei	7	52 20,12	3,637	+0,0250	.....	8.7582	8.7291	0.5608	+8.4801
937	Eridani..... θ	3½	52 34,47	2,278	−0,0026	−0,009	8.8086	8.7805	0.3576	−8.6248
938	Eridani.....	5½	52 35,03	2,278	−0,0026	−0,010	8.8086	8.7805	0.3576	−8.6248
939	Fornacis	6	52 43,58	2,553	−0,0016	+0,001	8.7471	8.7195	0.4070	−8.4395
940	Fornacis	6	52 59,65	2,626	−0,0010	+0,004	8.7322	8.7056	0.4193	−8.3721
941	49 Arietis	6	53 4,49	3,515	+0,0201	0,000	8.7320	8.7057	0.5459	+8.3717
942*	Horologii	6	53 16,23	1,730	+0,0024	+0,007	8.9340	8.9084	0.2381	−8.8506
943	7 Eridani.....	7	53 17,57	3,015	+0,0052	+0,002	8.6865	8.6611	0.4793	−7.4692
944*	Fornacis	6	53 26,91	2,472	−0,0022	−0,001	8.7624	8.7376	0.3931	−8.4997
945*	51 Arietis	7	2 53 33,06	+3,519	+0,0201	+0,025	+ 8.7317	+ 8.7073	+0.5464	+8.3739

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	a''						
	° ′ ″	″	″	″										
901	72 16 44,7	−14,94	+0,327	−0,01	−9.3228	−9.3555	−1.1743	+9.8242	406	212	iii. 281	....	....	M 92
902	129 3 8,1	14,92	0,229	−0,11	9.8797	+9.6710	1.1738	9.8249	....	216	iii. 282	915	430	
903	72 34 40,6	14,91	0,327	+0,17	9.3300	−9.3474	1.1733	9.8255	408	213	ii. 314	....	....	M 93
904	58 40 20,5	14,89	0,353	−0,02	8.3522	−9.5867	1.1730	9.8259	407	214	iii. 283			
905	82 13 27,7	14,89	0,312	+0,04	9.5307	−9.0020	1.1729	9.8260	410	215	ii. 315	....	....	B.F 369
906	154 9 33,4	14,88	0,119	+0,47	9.8992	+9.8245	1.1725	9.8265	....	....	.....	934	432	
907	158 8 15,7	14,86	0,082	−0,12	−9.8948	+9.8374	1.1720	9.8271	....	....	.....	943	433	
908	9 7 8,0	14,86	+0,849	−0,02	+9.7742	−9.8642	1.1719	9.8272	396	....	.....	....	....	G 580
909	164 27 31,4	14,85	−0,016	−0,43	−9.8830	+9.8533	1.1717	9.8274	....	....	.....	952	435	
910	99 29 53,0	14,84	+0,287	+0,22	−9.7316	+9.0867	1.1714	9.8278	413	219	ii. 316	....	....	J 53
911	153 30 58,9	14,84	0,124	−1,30	−9.9008	+9.8210	1.1713	9.8279	....	....	.....	937	434	
912	50 56 29,0	14,83	0,373	+0,03	+8.9395	−9.6685	1.1713	9.8280	411	217	iii. 284			
913	69 56 14,9	14,82	0,334	+0,05	−9.2465	−9.4038	1.1707	9.8287	412	218	ii. 317			
914	43 23 4,0	14,81	0,396	.....	+9.2835	−9.7296	1.1704	9.8290	....	....	.....	....	....	G 590
915	55 25 22,9	14,80	0,363	+0,07	+8.4099	−9.6220	1.1702	9.8292	....	221	iii. 285			
916	49 34 6,5	14,79	0,378	.....	+9.0326	−9.6796	1.1699	9.8297	....	....	.....	....	....	G 592
917	129 15 39,5	14,79	0,230	+0,34	−9.8829	+9.6689	1.1698	9.8297	....	....	v. 185	931	436	
918	38 14 55,2	14,77	0,416	−0,05	+9.4190	−9.7623	1.1695	9.8301	....	220	iii. 286	....	....	B.F 367
919	156 4 2,8	14,77	0,102	+0,08	−9.9000	+9.8281	1.1694	9.8303	....	....	.....	948	439	
920	68 59 6,1	14,77	0,337	.....	9.2109	−9.4218	1.1693	9.8303	414	....	ii. 318	....	....	B.F 373
921	69 15 46,6	14,75	0,337	0,00	9.2199	−9.4156	1.1687	9.8310	415	224	ii. 319	....	....	M 94
922	114 28 3,5	14,74	0,263	+0,07	9.8298	+9.4836	1.1686	9.8312	418	225	ii. 320	933		
923	125 59 8,1	14,74	0,239	+0,13	9.8748	+9.6353	1.1685	9.8313	....	....	v. 187	936	438	
924	120 27 45,5	14,73	0,251	+0,13	9.8561	+9.5711	1.1683	9.8315	....	226	iii. 287	935		
925	155 31 11,3	14,71	0,107	.....	9.9022	+9.8245	1.1676	9.8323	....	....	.....	954		
926	114 12 45,6	14,70	0,264	−0,04	9.8292	+9.4781	1.1674	9.8326	421	229	ii. 321	940		
927	155 2 35,6	14,70	+0,111	−0,13	9.9030	+9.8225	1.1673	9.8327	....	....	.....	957	444	
928	165 42 5,0	14,70	−0,050	+0,56	9.8845	+9.8513	1.1672	9.8328	....	....	.....	972	447	
929	81 41 35,3	14,69	+0,318	−0,01	9.5198	−9.0245	1.1669	9.8331	419	228	ii. 322	....	....	M 95
930	128 47 43,9	14,69	0,232	−0,06	9.8836	+9.6616	1.1669	9.8332	....	232	iii. 288	945	443	
931	153 43 28,3	14,68	0,122	.....	−9.9046	+9.8173	1.1668	9.8332	....	....	.....	956		
932	54 28 56,9	14,67	0,370	+0,09	+8.6314	−9.6285	1.1665	9.8336	416	227	iv. 254			
933	72 35 34,9	14,66	0,334	−0,04	−9.3222	−9.3398	1.1662	9.8340	420	230	iii. 289			
934	93 3 52,3	14,66	0,301	−0,01	9.6719	+8.5919	1.1661	9.8340	423	231	ii. 323			
935	154 29 31,0	14,65	0,115	.....	9.9049	+9.8191	1.1658	9.8344	....	....	.....	961		
936	58 11 3,1	14,65	0,362	.....	7.9395	−9.5855	1.1658	9.8345	....	....	.....	....	....	B.F 377
937	130 54 30,5	14,63	0,227	0,00	9.8898	+9.6793	1.1653	9.8350	....	238	ii. 325	950	446	J 54, R 88
938	130 54 27,2	14,63	0,227	−0,04	9.8898	+9.6792	1.1653	9.8350	....	239	iv. 255			
939	119 30 21,7	14,62	0,255	+0,14	9.8541	+9.5553	1.1651	9.8353	....	....	v. 191	946	442	
940	115 52 40,7	14,61	0,262	−0,07	9.8385	+9.5023	1.1646	9.8358	....	241	ii. 327	947	450	
941	64 8 5,3	14,60	0,351	+0,01	8.9614	−9.5020	1.1644	9.8360	424	233	ii. 326			
942	145 37 4,7	14,59	0,173	+0,13	9.9092	+9.7785	1.1641	9.8364	....	....	v. 193	960	452	
943	93 28 32,3	14,59	0,302	−0,09	9.6765	+8.6445	1.1641	9.8364	426	240	iii. 290			
944	123 6 24,1	14,58	0,248	+0,03	9.8684	+9.5989	1.1638	9.8367	....	243	iv. 256	953	451	
945	63 58 42,0	−14,57	+0,353	+0,12	−8.9474	−9.5036	−1.1636	+9.8369	425	235	ii. 328			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
946	8 Eridani ..... ρ^1	5½	2 53 47,83	+2,937	+0,0036	+0,010	+8.6894	+8.6659	+0.4679	−7.8466
947	23 Persei ..... γ	3½	53 57,87	4,288	+0,0579	+0,008	8.9042	8.8813	0.6323	+8.8061
948*	Persei	5	54 18,16	4,443	+0,0675	−0,003	8.9376	8.9160	0.6477	+8.8568
949	92 Ceti ..... α	2½	54 26,58	3,127	+0,0078	+0,002	8.6845	8.6634	0.4951	+7.4699
950	93 Ceti	6½	54 31,52	3,131	+0,0079	−0,009	8.6845	8.6637	0.4957	+7.5010
951	Fornacis	6	55 9,41	2,565	−0,0014	+0,017	8.7392	8.7208	0.4090	−8.4202
952*	9 Eridani ..... ρ^2	5	55 20,58	2,936	+0,0036	+0,001	8.6866	8.6689	0.4678	−7.8449
953	25 Persei ..... ρ	4	55 34,81	3,802	+0,0315	+0,013	8.7866	8.7698	0.5800	+8.5784
954*	11 Eridani ..... τ^3	4	55 46,82	2,653	−0,0006	−0,010	8.7213	8.7053	0.4238	−8.3342
955*	Cassiopeæ	5½	55 46,94	6,268	+0,2348	−0,027	9.2361	9.2201	0.7971	+9.2185
956	Horologii	5	55 55,87	1,109	+0,0191	.....	9.0497	9.0343	0.0450	−9.0058
957	52 Arietis	6½	56 39,47	3,498	+0,0191	+0,002	8.7212	8.7085	0.5439	+8.3417
958	Horologii	6	56 49,05	1,140	+0,0179	.....	9.0410	9.0289	0.0571	−8.9955
959	10 Eridani ..... ρ^3	5	56 54,63	2,936	+0,0037	+0,007	8.6836	8.6719	0.4678	−7.8374
960*	Ursæ Minoris	6	57 39,97	12,554	+1,5579	.....	9.6858	9.6768	1.0988	+9.6837
961	Eridani	6	57 46,86	2,047	−0,0012	−0,018	8.8484	8.8400	0.3110	−8.7165
962*	Persei ..... ι	4	58 15,76	4,151	+0,0482	+0,129	8.8600	8.8534	0.6182	+8.7381
963*	26 Persei ..... β	2½	58 25,55	3,869	+0,0340	+0,002	8.7945	8.7885	0.5876	+8.6059
964	Eridani	6	58 32,52	2,148	−0,0018	−0,004	8.8228	8.8173	0.3320	−8.6684
965*	Ursæ Minoris	8	58 58,03	10,706	+1,0342	.....	9.5878	9.5839	1.0296	+9.5846
966	53 Arietis	6	58 59,34	3,364	+0,0143	−0,002	8.6954	8.6916	0.5268	+8.1686
967	27 Persei ..... $\varkappa$	5	59 23,93	3,990	+0,0395	+0,019	8.8197	8.8174	0.6010	+8.6637
968	Horologii	6	59 33,75	1,341	+0,0114	+0,056	8.9940	8.9923	0.1274	−8.9374
969	Eridani	6	59 51,01	2,016	−0,0009	.....	8.8494	8.8489	0.3044	−8.7215
970	Horologii	6	59 51,22	1,865	+0,0007	−0,021	8.8835	8.8829	0.2708	−8.7794
971	54 Arietis	6½	2 59 51,45	3,382	+0,0149	+0,003	8.6960	8.6955	0.5291	+8.1910
972	Horologii	5½	3 0 4,03	1,411	+0,0095	−0,082	8.9786	8.9788	0.1496	−8.9175
973	Horologii	6	0 27,28	1,331	+0,0116	.....	8.9929	8.9946	0.1242	−8.9365
974	55 Arietis	6½	0 36,01	3,585	+0,0218	+0,005	8.7284	8.7306	0.5545	+8.4071
975	Ceti	7	0 37,15	3,202	+0,0096	+0,006	8.6764	8.6787	0.5054	+7.8139
976*	Arietis	7	0 44,49	3,419	+0,0160	+0,005	8.6995	8.7023	0.5339	+8.2373
977*	Arietis	7	1 3,27	3,394	+0,0152	+0,007	8.6952	8.6992	0.5307	+8.2035
978	Fornacis	6	1 26,50	2,556	−0,0010	+0,013	8.7264	8.7318	0.4076	−8.4037
979*	Cassiopeæ	5½	1 27,67	7,250	+0,3495	−0,025	9.3243	9.3299	0.8604	+9.3134
980*	Arietis	6½	1 33,31	3,541	+0,0201	+0,004	8.7180	8.7239	0.5492	+8.3647
981	28 Persei ..... ω	5	1 37,41	3,843	+0,0321	+0,002	8.7800	8.7862	0.5846	+8.5793
982	Hydri ..... θ	5	1 58,36	0,048	+0,0708	−0,056	9.1913	9.1988	8.6822	−9.1707
983	Persei	6	2 15,94	3,924	+0,0356	.....	8.7967	8.8053	0.5938	+8.6205
984	Fornacis	6	2 46,37	2,375	−0,0018	−0,007	8.7601	8.7707	0.3757	−8.5294
985*	Cassiopeæ	8	3 2,05	6,567	+0,2557	.....	9.2456	9.2571	0.8174	+9.2299
986	57 Arietis ..... δ	4	3 3,59	3,403	+0,0153	+0,015	8.6923	8.7039	0.5319	+8.2083
987	Arietis	6½	3 8,05	3,283	+0,0117	+0,001	8.6778	8.6896	0.5162	+8.0123
988*	Camelopardi	6½	3 9,23	5,205	+0,1173	.....	9.0549	9.0669	0.7164	+9.0150
989	56 Arietis	6	3 18,70	3,553	+0,0202	+0,003	8.7160	8.7285	0.5506	+8.3683
990*	Camelopardi	7½	3 4 27,02	5,146	+0,1113	+0,001	+9.0404	+9.0573	+0.7115	+8.9980

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
946	98 15 24,3	−14,56	+0,295	+0,07	−9.7229	+9.0181	−1.1632	+9.8374	427	242	ii. 330			
947	37 5 7,6	14,55	0,430	0,00	+9.4583	−9.7625	1.1629	9.8377	422	234	ii. 329			
948	33 53 17,8	14,53	0,447	−0,08	+9.5188	−9.7792	1.1622	9.8384	....	236	ii. 331	....	....	B.H 1154
949	86 30 6,2	14,52	0,315	+0,10	−9.5923	−8.6452	1.1620	9.8387	428	244	ii. 332	....	453	M 96
950	86 14 31,5	14,52	0,315	0,00	−9.5886	−8.6761	1.1618	9.8389	430	245	iii. 291			
951	118 40 0,6	14,48	0,259	+0,28	−9.8530	+9.5395	1.1607	9.8401	....	248	ii. 333	963	457	
952	98 16 42,0	14,47	0,297	−0,01	−9.7235	+9.0164	1.1604	9.8405	432	247	ii. 335	....	....	J 55
953	51 44 40,5	14,45	0,384	+0,08	+8.9469	−9.6495	1.1599	9.8410	429	246	ii. 334			
954	114 12 56,1	14,44	0,269	+0,08	−9.8328	+9.4703	1.1596	9.8413	434	249	ii. 336	968	460	J 56
955	16 10 59,3	14,44	0,634	+0,07	+9.7369	−9.8398	1.1596	9.8413	417	237	iii. 292	....	....	B.H 434
956	154 40 7,2	14,43	0,112	.....	−9.9103	+9.8132	1.1593	9.8416	....	....	.....	....	462	
957	65 19 57,7	14,39	0,356	+0,03	−9.0154	−9.4762	1.1580	9.8431	433	250	ii. 338			
958	154 13 20,9	14,38	0,116	.....	−9.9120	+9.8099	1.1577	9.8434	....	....	.....	....	465	
959	98 11 26,6	14,37	0,299	0,00	−9.7234	+9.0090	1.1575	9.8436	435	252	ii. 339	....	....	J 57
960	5 38 3,9	14,33	1,281	+0,12	+9.8154	−9.8518	1.1562	9.8450	402	....	.....	....	....	G 595
961	137 33 57,7	14,32	0,209	+0,20	−9.9083	+9.7217	1.1559	9.8452	....	....	.....	974	466	
962	40 57 50,4	14,29	0,425	0,00	+9.3899	−9.7308	1.1550	9.8462	....	253	ii. 340	....	....	B.H 1131
963	49 37 34,6	14,28	0,396	−0,02	+9.0945	−9.6639	1.1547	9.8465	436	254	ii. 341	....	....	M 97
964	134 29 14,1	14,27	0,220	+0,08	−9.9041	+9.6978	1.1545	9.8467	....	258	iii. 294	976	469	
965	7 1 36,4	14,25	1,099	−0,01	+9.8099	−9.8482	1.1537	9.8475	409	....	.....	....	....	B 20
966	72 42 8,9	14,24	0,345	0,00	−9.3118	−9.3246	1.1536	9.8476	439	257	ii. 342	....	....	
967	45 42 53,6	14,22	0,410	+0,13	+9.2594	−9.6946	1.1528	9.8483	438	256	ii. 343	....	....	
968	151 23 15,4	14,21	0,138	+0,55	−9.9177	+9.7937	1.1525	9.8487	....	....	v. 203	985	472	
969	138 9 2,2	14,19	0,208	.....	−9.9116	+9.7219	1.1520	9.8492	....	....	.....	....	471	
970	141 54 32,9	14,19	0,192	−0,27	−9.9159	+9.7458	1.1520	9.8492	....	....	v. 204	982	473	
971	71 47 4,0	14,19	0,349	+0,02	−9.2817	−9.3447	1.1520	9.8492	440	259	ii. 344			
972	150 19 17,5	14,18	0,146	+0,04	−9.9188	+9.7883	1.1516	9.8496	....	....	v. 206	989	476	
973	151 25 39,4	14,15	0,138	.....	−9.9189	+9.7922	1.1508	9.8503	....	....	v. 208	....	477	
974	61 29 54,9	14,14	0,371	−0,02	−8.6345	−9.5270	1.1506	9.8506	441	260	iii. 296			
975	82 6 40,7	14,14	0,331	+0,04	−9.5219	−8.9858	1.1505	9.8507	....	262	iii. 297			
976	69 49 4,1	14,14	0,354	+0,25	−9.2111	−9.3859	1.1503	9.8509	....	261	ii. 345	....	....	B.F 402
977	71 11 44,2	14,12	0,352	+0,04	−9.2596	−9.3558	1.1497	9.8515	....	264	iii. 298	....	....	B.F 405 ?
978	118 24 27,9	14,09	0,265	−0,13	−9.8575	+9.5241	1.1490	9.8522	....	267	ii. 347	984	479	
979	12 49 27,9	14,09	0,752	+0,04	+9.7764	−9.8357	1.1489	9.8522	431	255	iii. 295	....	....	B.H 490
980	63 40 49,6	14,09	0,368	.....	−8.8657	−9.4933	1.1487	9.8524	444	....	ii. 346			
981	50 57 44,3	14,08	0,399	−0,02	+9.0469	−9.6456	1.1486	9.8525	443	265	iii. 299			
982	162 29 27,7	14,06	0,005	+0,57	−9.9089	+9.8251	1.1479	9.8532	....	....	ii. 349	1001	482	J 58
983	48 11 41,4	14,04	0,409	.....	+9.1833	−9.6690	1.1474	9.8537	....	....	.....	....	....	G 621
984	126 0 11,1	14,01	0,248	−0,08	−9.8875	+9.6134	1.1464	9.8547	....	....	v. 211	993	481	
985	15 19 13,5	13,99	0,686	−0,05	+9.7607	−9.8280	1.1459	9.8552	437	....	.....	....	....	B 21
986	70 50 40,0	13,99	0,356	−0,01	−9.2425	−9.3597	1.1458	9.8552	446	2	ii. 348	....	....	M 100
987	77 31 26,4	13,99	0,343	−0,03	−9.4296	−9.1780	1.1457	9.8553	....	4	ii. 350	....	....	W 190
988	24 11 2,3	13,99	0,544	+0,06	+9.6777	−9.8035	1.1457	9.8554	442	....	.....	....	....	G 622
989	63 18 41,7	13,98	0,372	−0,01	−8.8169	−9.4955	1.1453	9.8557	447	3	iii. 300			
990	24 54 19,3	−13,90	+0,541	+0,07	+9.6729	−9.7985	−1.1431	+9.8578	445	1	iv. 261			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
991	Ceti	6½	3 4 29,21	+3,174	+0,0089	+0,002	+8.6672	+8.6842	+0.5015	+7.6931
992	Horologii	6	4 54,62	1,276	+0,0129	.....	8.9884	9.0070	0.1058	−8.9332
993	Persei	6	5 0,58	3,938	+0,0355	+0,011	8.7922	8.8112	0.5953	+8.6172
994	94 Ceti	5½	5 7,33	3,041	+0,0059	+0,017	8.6637	8.6831	0.4830	−7.1512
995	Persei	6	5 30,46	4,240	+0,0503	.....	8.8581	8.8789	0.6273	+8.7447
996	Horologii	6	5 34,59	1,945	+0,0001	−0,039	8.8483	8.8694	0.2889	−8.7280
997	12 Eridani.....	3½	5 42,25	2,521	−0,0010	+0,029	8.7230	8.7446	0.4015	−8.4164
998	Cassiopeæ.....	6	5 45,99	5,618	+0,1504	.....	9.1113	9.1332	0.7496	+9.0820
999	58 Arietis ..... ζ	5	6 17,32	3,433	+0,0160	+0,001	8.6895	8.7134	0.5357	+8.2335
1000	Hydri	6	6 41,04	0,422	+0,0469	+0,009	9.1229	9.1483	9.6251	−9.0955
1001*	Cassiopeæ.....	5	6 50,17	5,167	+0,1108	−0,015	9.0357	9.0616	0.7132	+8.9933
1002	Horologii	6	6 53,99	1,490	+0,0075	−0,060	8.9403	8.9665	0.1731	−8.8705
1003	Fornacis	6	7 8,65	2,349	−0,0016	−0,007	8.7543	8.7814	0.3710	−8.5288
1004	Eridani.....	6	7 9,13	2,097	−0,0009	−0,038	8.8098	8.8369	0.3215	−8.6592
1005	Eridani.....	6	7 22,37	2,499	−0,0010	−0,003	8.7231	8.7510	0.3978	−8.4268
1006	30 Persei	6	7 43,08	3,997	+0,0375	+0,007	8.7975	8.8268	0.6017	+8.6351
1007	29 Persei	6	7 58,35	4,222	+0,0485	+0,008	8.8467	8.8769	0.6255	+8.7288
1008	Persei	6	8 3,21	3,855	+0,0312	.....	8.7654	8.7960	0.5860	+8.5617
1009	Fornacis	6	8 10,57	2,268	−0,0015	.....	8.7691	8.8001	0.3556	−8.5714
1010*	Eridani.....	7½	8 14,51	2,910	+0,0035	+0,005	8.6630	8.6943	0.4639	−7.8728
1011*	31 Persei	5½	8 28,53	4,219	+0,0481	+0,004	8.8446	8.8767	0.6253	+8.7259
1012	Eridani.....	6	8 32,93	2,579	−0,0005	−0,013	8.7054	8.7378	0.4114	−8.3573
1013	13 Eridani..... ζ	4	8 33,02	2,909	+0,0035	+0,001	8.6624	8.6949	0.4637	−7.8746
1014*	Horologii	6	8 45,29	1,508	+0,0070	−0,025	8.9305	8.9638	0.1784	−8.8584
1015	Fornacis	6	8 46,31	2,355	−0,0015	+0,005	8.7488	8.7821	0.3720	−8.5193
1016	14 Eridani.....	6	9 20,05	2,902	+0,0034	+0,015	8.6612	8.6967	0.4628	−7.8885
1017	Persei	5½	9 22,01	3,726	+0,0258	+0,010	8.7347	8.7702	0.5712	+8.4785
1018*	Cassiopeæ.....	8	9 49,76	6,227	+0,2042	.....	9.1798	9.2171	0.7943	+9.1597
1019	Eridani.....	6	10 0,60	2,469	−0,0010	+0,003	8.7223	8.7603	0.3926	−8.4389
1020	Eridani.....	6	10 1,95	2,042	−0,0005	−0,019	8.8136	8.8516	0.3100	−8.6722
1021	Fornacis	6	10 39,95	2,346	−0,0014	−0,005	8.7456	8.7861	0.3703	−8.5174
1022	95 Ceti	5½	10 42,15	3,045	+0,0060	+0,020	8.6523	8.6929	0.4836	−7.0645
1023	59 Arietis	6½	10 58,93	3,565	+0,0197	+0,001	8.6999	8.7416	0.5520	+8.3498
1024	Persei	6	11 15,53	4,191	+0,0457	+0,021	8.8300	8.8727	0.6224	+8.7046
1025	Arietis	5½	11 16,77	3,609	+0,0212	+0,023	8.7070	8.7499	0.5573	+8.3857
1026	32 Persei..... *l*	6	11 24,65	3,988	+0,0361	−0,004	8.7850	8.8283	0.6008	+8.6170
1027	Horologii	6	11 28,03	1,349	+0,0107	−0,046	8.9524	8.9960	0.1299	−8.8903
1028	96 Ceti ..... x^1	5	11 29,91	3,119	+0,0075	+0,020	8.6510	8.6946	0.4941	+7.3423
1029	60 Arietis	7	11 31,57	3,536	+0,0187	−0,008	8.6936	8.7373	0.5485	+8.3214
1030	Camelopardi.....	6	11 42,39	5,109	+0,1022	+0,007	9.0089	9.0533	0.7084	+8.9627
1031	15 Eridani.....	5½	11 44,33	2,648	+0,0003	+0,003	8.6862	8.7307	0.4229	−8.2792
1032	Arietis	6½	12 14,58	3,432	+0,0154	+0,008	8.6758	8.7223	0.5355	+8.2091
1033	Horologii	6	12 33,33	1,953	+0,0004	−0,014	8.8253	8.8730	0.2907	−8.6985
1034	61 Arietis ..... τ^1	5	12 34,43	3,445	+0,0158	+0,004	8.6769	8.7247	0.5372	+8.2233
1035	Persei	6	3 12 37,37	+4,203	+0,0458	+0,017	+8.8283	+8.8763	+0.6236	+8.7039

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
991	83 54 22,3	−13,90	+0,334	−0,03	−9.5502	−8.8668	−1.1430	+9.8578	....	6	iii. 301			
992	151 43 28,6	13,87	0,134	.....	−9.9251	+9.7848	1.1422	9.8586	....	....	v. 218	....	491	
993	48 3 38,8	13,87	0,415	−0,02	+9.2041	−9.6648	1.1420	9.8588	....	5	iii. 302	....	....	G 630
994	91 45 38,7	13,86	0,321	+0,08	−9.6590	+8.3271	1.1418	9.8590	450	8	ii. 352			
995	39 37 25,3	13,84	0,448	.....	+9.4484	−9.7254	1.1410	9.8597	....	....	.....	....	....	G 631
996	139 18 7,2	13,83	0,205	+0,07	−9.9201	+9.7184	1.1409	9.8598	....	....	v. 220	1006	495	
997	119 34 52,9	13,82	0,266	−0,64	−9.8664	+9.5318	1.1406	9.8600	454	13	ii. 353	1000	493	J 59
998	20 49 28,8	13,82	0,594	.....	+9.7185	−9.8089	1.1405	9.8601	....	....	.....	....	....	G 628
999	69 30 53,8	13,79	0,364	+0,06	−9.1827	−9.3813	1.1395	9.8611	451	11	ii. 354	....	....	M 101
1000	159 50 16,5	13,76	0,045	+0,04	−9.9204	+9.8090	1.1387	9.8618	....	....	.....	1035	504	
1001	24 54 10,5	13,75	0,549	+0,04	+9.6790	−9.7938	1.1384	9.8621	448	7	iii. 303	....	....	B.H 274
1002	148 22 38,7	13,75	0,158	+0,04	−9.9281	+9.7662	1.1382	9.8622	....	....	v. 224	1023	503	
1003	126 30 28,0	13,73	0,250	−0,03	−9.8934	+9.6100	1.1377	9.8626	....	17	iii. 305	1014	500	
1004	134 59 9,4	13,73	0,223	+0,24	−9.9149	+9.6849	1.1377	9.8626	....	19	iii. 306	1016	501	
1005	120 22 6,6	13,72	0,266	+0,08	−9.8711	+9.5388	1.1373	9.8630	....	18	v. 225	1015	502	
1006	46 31 50,0	13,70	0,426	+0,04	+9.2735	−9.6719	1.1366	9.8636	453	14	iii. 307			
1007	40 19 58,2	13,68	0,450	+0,06	+9.4417	−9.7160	1.1361	9.8641	452	15	iii. 309			
1008	51 16 20,6	13,67	0,411	.....	+9.0759	−9.6300	1.1359	9.8642	....	....	.....	....	....	G 639
1009	129 22 9,0	13,67	0,242	.....	−9.9029	+9.6357	1.1356	9.8644	....	....	v. 229	....	508	
1010	99 19 45,2	13,66	0,311	+0,09	−9.7379	+9.0431	1.1355	9.8646	456	20	iii. 311	....	....	A 86
1011	40 27 30,1	13,65	0,451	+0,04	+9.4409	−9.7141	1.1350	9.8650	455	16	iii. 310			
1012	116 39 31,7	13,64	0,276	−0,05	−9.8553	+9.4846	1.1349	9.8651	....	24	iii. 312	1021	509	
1013	99 22 49,8	13,64	0,311	−0,02	−9.7385	+9.0448	1.1349	9.8651	457	22	ii. 355	....	....	J 60
1014	147 53 1,4	13,63	0,161	−0,16	−9.9304	+9.7601	1.1345	9.8655	....	....	v. 230	1040	511	
1015	126 7 4,5	13,63	0,252	−0,05	−9.8938	+9.6027	1.1344	9.8655	....	25	iii. 313	1020	510	
1016	99 42 51,5	13,59	0,311	+0,10	−9.7418	+9.0583	1.1333	9.8665	....	26	ii. 356	....	....	W 192
1017	56 19 50,5	13,59	0,400	+0,07	+8.6675	−9.5748	1.1332	9.8665	....	23	iii. 314	....	....	B.H 1155
1018	17 19 59,8	13,56	0,669	+0,09	+9.7589	−9.8099	1.1323	9.8673	449	....	.....	....	....	G 641
1019	121 23 3,4	13,55	0,266	+0,14	−9.8777	+9.5463	1.1319	9.8677	....	....	v. 234	1034	515	
1020	136 13 43,1	13,55	0,220	0,00	−9.9205	+9.6882	1.1318	9.8677	....	....	v. 235	1042	516	
1021	126 14 45,4	13,51	0,253	+0,05	−9.8960	+9.6001	1.1305	9.8688	....	35	iii. 315	1045	518	
1022	91 28 48,5	13,50	0,328	+0,09	−9.6560	+8.2404	1.1305	9.8689	461	31	ii. 357	....	....	A 87
1023	63 28 25,7	13,49	0,385	+0,02	−8.7612	−9.4776	1.1299	9.8693	460	29	ii. 358			
1024	41 28 22,7	13,47	0,453	+0,13	+9.4278	−9.7017	1.1293	9.8698	....	28	iii. 316	....	....	G 646
1025	61 29 57,2	13,47	0,390	+0,06	−8.4440	−9.5057	1.1292	9.8698	....	32	ii. 359	....	....	B.F 416
1026	47 13 1,3	13,46	0,431	+0,01	+9.2674	−9.6588	1.1290	9.8701	458	30	iii. 317			
1027	150 3 59,2	13,45	0,146	−0,85	−9.9341	+9.7645	1.1289	9.8702	....	....	v. 238	1057	521	
1028	87 11 3,0	13,45	0,337	+0,02	−9.5988	−8.5179	1.1288	9.8702	463	36	ii. 360	....	....	A 88
1029	64 52 57,4	13,45	0,383	+0,13	−8.8921	−9.4544	1.1287	9.8703	462	34	iii. 319			
1030	25 57 26,4	13,44	0,553	+0,09	+9.6790	−9.7800	1.1284	9.8706	....	27	iii. 318	....	....	G 645
1031	113 3 46,3	13,44	0,287	0,00	−9.8389	+9.4191	1.1283	9.8706	466	39	ii. 361	1051	520	
1032	70 2 13,1	13,40	0,372	+0,10	−9.1872	−9.3583	1.1272	9.8715	....	38	iii. 320			
1033	138 18 15,2	13,38	0,212	+0,20	−9.9268	+9.6975	1.1266	9.8720	....	....	v. 240	1058	523	
1034	69 23 52,0	13,38	0,374	+0,05	−9.1587	−9.3707	1.1265	9.8721	465	40	ii. 362	....	....	M 103
1035	41 19 43,7	−13,38	+0,457	+0,06	+9.4358	−9.6998	−1.1264	+9.8721	....	37	iii. 321	....	....	G 649

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1036	Reticuli	6	3 12 48,52	+0,933	+0,0232	−0,014	+9.0218	+9.0704	+9.9698	−8.9790
1037	16 Eridani ..... τ^4	3½	12 50,77	+2,662	+0,0004	+0,003	8.6814	8.7302	+0.4251	−8.2607
1038*	Mensæ	5	12 52,60	−2,334	+0,2783	.....	9.3889	9.4378	−0.3681	−9.3817
1039	Eridani	6	13 2,84	+2,612	0,0000	+0,009	8.6888	8.7383	+0.4170	−8.3093
1040	62 Arietis	6	13 12,21	3,581	+0,0199	+0,004	8.6972	8.7474	0.5540	+8.3553
1041	97 Ceti ..... $\varkappa^2$	6	13 16,25	3,125	+0,0076	+0,005	8.6474	8.6978	0.4949	+7.3849
1042	Fornacis	6	13 24,03	2,357	−0,0011	−0,011	8.7360	8.7870	0.3723	−8.5005
1043	33 Persei ..... α	2½	13 38,34	4,234	+0,0470	+0,007	8.8318	8.8837	0.6268	+8.7117
1044*	Eridani	4½	13 55,05	2,116	−0,0007	+0,249	8.7859	8.8387	0.3255	−8.6248
1045	63 Arietis ..... τ^2	6	14 7,91	3,439	+0,0154	−0,001	8.6725	8.7262	0.5365	+8.2107
1046	Eridani	6	14 19,47	2,563	−0,0002	+0,005	8.6940	8.7484	0.4088	−8.3486
1047	Eridani	6	14 21,27	2,556	−0,0003	+0,010	8.6951	8.7497	0.4076	−8.3544
1048	Reticuli ..... ζ^1	5½	14 29,14	1,089	+0,0178	+0,127	8.9893	9.0444	0.0369	−8.9398
1049	Eridani	6	14 50,50	2,620	+0,0002	−0,010	8.6832	8.7396	0.4182	−8.2955
1050*	Cassiopeæ	8	14 51,84	6,045	+0,1777	.....	9.1381	9.1946	0.7814	+9.1146
1051	Reticuli ..... ζ^2	5½	14 55,25	1,092	+0,0176	+0,123	8.9873	9.0441	0.0380	−8.9375
1052	64 Arietis	5½	15 27,55	3,523	+0,0178	+0,002	8.6819	8.7407	0.5469	+8.2945
1053	65 Arietis	6	15 47,54	3,443	+0,0154	+0,001	8.6691	8.7291	0.5369	+8.2086
1054	Eridani	6	15 49,69	2,576	−0,0001	−0,001	8.6880	8.7482	0.4110	−8.3319
1055*	Arietis	7½	15 52,13	3,468	+0,0161	+0,011	8.6725	8.7328	0.5401	+8.2367
1056	Hydri	5	16 18,90	0,635	+0,0341	+0,038	9.0569	9.1189	9.8026	−9.0224
1057	1 Tauri ..... o	4½	16 44,83	3,222	+0,0097	0,000	8.6440	8.7077	0.5081	+7.8136
1058*	Camelopardi	4	16 57,81	4,784	+0,0762	+0,005	8.9321	8.9967	0.6798	+8.8671
1059*	Persei	6½	17 24,68	4,219	+0,0449	+0,007	8.8168	8.8830	0.6252	+8.6915
1060	Eridani	6	17 43,36	2,405	−0,0008	−0,007	8.7147	8.7821	0.3811	−8.4536
1061*	Ursæ Minoris	6	17 49,69	18,209	+3,1470	.....	9.8110	9.8789	1.2603	+9.8100
1062*	Camelopardi	4	17 58,38	4,720	+0,0717	+0,005	8.9166	8.9850	0.6739	+8.8467
1063	Persei	6	18 8,69	4,254	+0,0463	+0,019	8.8220	8.8911	0.6288	+8.7019
1064	Tauri	7	18 29,81	3,406	+0,0142	+0,003	8.6577	8.7281	0.5322	+8.1530
1065*	Camelopardi	5	18 35,65	4,522	+0,0599	+0,001	8.8757	8.9465	0.6553	+8.7887
1066	34 Persei	5½	18 39,81	4,242	+0,0456	+0,005	8.8179	8.8890	0.6276	+8.6956
1067*	Cassiopeæ	6	18 52,60	6,372	+0,2032	.....	9.1644	9.2363	0.8043	+9.1446
1068	2 Tauri ..... ξ	4	19 2,79	3,236	+0,0099	+0,007	8.6398	8.7123	0.5100	+7.8438
1069	66 Arietis	6½	19 41,03	+3,490	+0,0165	+0,004	8.6664	8.7414	+0.5428	+8.2453
1070	Hydri ..... ι	5	19 44,02	−1,716	+0,1967	−0,078	9.3123	9.3875	−0.2344	−9.3026
1071	35 Persei ..... σ	5	20 1,32	+4,187	+0,0425	+0,007	8.8020	8.8783	+0.6219	+8.6695
1072	Persei	6	20 2,77	4,192	+0,0428	+0,009	8.8029	8.8792	0.6224	+8.6711
1073	Eridani	6	20 3,12	2,530	−0,0001	+0,006	8.6853	8.7617	0.4030	−8.3547
1074	Fornacis ..... χ^1	6	20 8,33	2,314	−0,0008	+0,009	8.7262	8.8029	0.3643	−8.5000
1075	Horologii	6	20 8,93	1,778	+0,0026	−0,023	8.8384	8.9151	0.2499	−8.7325
1076	Tauri	7	20 24,51	3,268	+0,0105	−0,011	8.6389	8.7167	0.5142	+7.9143
1077	Eridani	6	20 50,06	2,140	−0,0005	+0,005	8.7601	8.8395	0.3305	−8.5870
1078	Persei	6	20 59,65	4,186	+0,0421	+0,005	8.7988	8.8788	0.6218	+8.6653
1079	Tauri	7	21 14,53	3,370	+0,0130	−0,005	8.6469	8.7278	0.5277	+8.0936
1080*	Cassiopeæ	7	3 21 29,38	+6,977	+0,2624	.....	+9.2222	+9.3041	+0.8437	+9.2076

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1036	154 59 52,4	−13,37	+0,101	+0,45	−9.9340	+9.7811	−1.1260	+9.8725	....	....	.....	1069	529	
1037	112 18 23,9	13,36	+0,289	−0,05	−9.8354	+9.4030	1.1259	9.8725	469	43	ii. 363	....	522	J 61
1038	169 32 55,2	13,36	−0,254	.....	−9.9096	+9.8164	1.1259	9.8726	....	....	.....	1105		
1039	114 40 8,5	13,35	+0,284	−0,15	−9.8487	+9.4438	1.1255	9.8729	....	....	v. 243	1055	526	
1040	62 56 4,4	13,34	0,390	0,00	−8.6693	−9.4810	1.1252	9.8731	467	42	ii. 364			
1041	86 52 5,5	13,34	0,340	+0,05	−9.5938	−8.5603	1.1250	9.8732	468	44	ii. 366			
1042	125 33 2,1	13,33	0,257	+0,03	−9.8963	+9.5870	1.1248	9.8735	....	....	v. 244	1059	528	
1043	40 40 38,5	13,31	0,462	+0,04	+9.4538	−9.7019	1.1243	9.8739	464	41	ii. 365	....	....	M 102
1044	133 38 48,6	13,29	0,231	−0,75	−9.9195	+9.6604	1.1237	9.8743	....	47	ii. 368	1060	530	J 62
1045	69 47 54,4	13,28	0,376	+0,02	−9.1717	−9.3592	1.1232	9.8747	470	45	ii. 367	....	....	M 104
1046	116 50 14,2	13,27	0,280	−0,19	−9.8608	+9.4752	1.1228	9.8750	....	....	v. 246	1063	531	
1047	117 8 57,9	13,27	0,280	−0,53	−9.8623	+9.4798	1.1227	9.8751	....	....	v. 247	1064	532	
1048	153 9 3,4	13,26	0,119	−0,72	−9.9373	+9.7707	1.1224	9.8753	....	....	.....	1074	536	
1049	114 10 37,4	13,23	0,287	+0,15	−9.8473	+9.4318	1.1217	9.8759	....	....	v. 248	1067	534	
1050	18 39 59,0	13,23	0,662	+0,02	+9.7582	−9.7959	1.1216	9.8759	459	....	.....	....	....	G 651
1051	153 4 49,7	13,23	0,120	−0,77	−9.9379	+9.7695	1.1215	9.8760	....	....	.....	1077	537	
1052	65 48 41,6	13,19	0,387	+0,06	−8.9410	−9.4306	1.1203	9.8769	472	49	ii. 369			
1053	69 44 0,0	13,17	0,379	+0,02	−9.1641	−9.3570	1.1196	9.8774	474	50	ii. 370	....	....	M 105
1054	116 7 37,7	13,17	0,283	−0,07	−9.8584	+9.4611	1.1195	9.8775	....	....	v. 249	1071	538	
1055	68 29 37,0	13,17	0,382	.....	−9.1045	−9.3814	1.1195	9.8776	475	....	.....	....	....	L 36
1056	157 28 29,7	13,14	0,070	+0,48	−9.9366	+9.7818	1.1185	9.8783	....	....	.....	1092	540	
1057	81 30 8,0	13,11	0,356	+0,06	−9.5016	−8.9849	1.1175	9.8790	477	55	ii. 372	....	....	M 106
1058	30 35 17,2	13,09	0,529	−0,04	+9.6348	−9.7498	1.1171	9.8794	....	51	ii. 371	....	....	B.H 273
1059	41 27 58,1	13,06	0,467	+0,06	+9.4490	−9.6885	1.1161	9.8801	476	53	iv. 268	....	....	G 668
1060	123 14 26,7	13,04	0,266	−0,20	−9.8918	+9.5521	1.1154	9.8806	....	....	v. 253	1081	543	
1061	3 50 22,1	13,04	2,018	.....	+9.8628	−9.8120	1.1152	9.8808	....	....	.....	....	....	G 642
1062	31 38 49,3	13,03	0,523	−0,03	+9.6228	−9.7427	1.1148	9.8810	....	54	ii. 373	....	....	B.H 272
1063	40 40 40,8	13,02	0,472	+0,09	+9.4685	−9.6921	1.1144	9.8813	....	56	iii. 323	....	....	G 674
1064	71 46 19,3	12,99	0,378	−0,02	−9.2403	−9.3067	1.1137	9.8819	....	60	ii. 374	....	....	W 199
1065	35 4 25,0	12,99	0,503	+0,12	+9.5732	−9.7242	1.1134	9.8820	....	57	iii. 324	....	....	B.H 271
1066	41 0 56,4	12,98	0,472	+0,06	+9.4630	−9.6888	1.1133	9.8821	478	59	iii. 325			
1067	17 10 10,3	12,97	0,709	+0,08	+9.7787	−9.7908	1.1128	9.8825	471	....	.....	....	....	G 669
1068	80 47 37,6	12,96	0,360	+0,04	−9.4862	−9.0143	1.1124	9.8827	481	63	ii. 375	....	....	M 107
1069	67 42 57,1	12,91	+0,389	+0,09	−9.0473	−9.3877	1.1110	9.8838	482	65	ii. 376			
1070	167 55 57,7	12,91	−0,192	−0,24	−9.9238	+9.7990	1.1109	9.8838	....	....	.....	1131	554	
1071	42 31 39,0	12,89	+0,468	−0,01	+9.4335	−9.6755	1.1102	9.8843	479	64	ii. 377			
1072	42 25 2,0	12,89	0,468	+0,05	+9.4360	−9.6762	1.1102	9.8843	480	....	.....	....	....	G 687
1073	117 50 41,7	12,89	0,283	−0,66	−9.8702	+9.4773	1.1102	9.8843	....	....	v. 257	1096	548	
1074	126 26 51,7	12,88	0,259	−0,14	−9.9055	+9.5816	1.1100	9.8845	....	69	iii. 327	1101	549	
1075	141 35 33,0	12,88	0,199	−0,13	−9.9396	+9.7018	1.1100	9.8845	....	....	v. 259	1106	551	
1076	79 7 57,1	12,86	0,366	+0,12	−9.4496	−9.0825	1.1094	9.8849	....	67	iii. 328	....	....	M 108
1077	132 9 52,2	12,84	0,240	−0,19	−9.9230	+9.6331	1.1084	9.8856	....	73	iii. 330	1107	552	
1078	42 39 19,8	12,82	0,469	+0,05	+9.4336	−9.6724	1.1080	9.8858	....	66	iii. 329	....	....	G 691
1079	73 45 26,9	12,81	0,378	+0,02	−9.3041	−9.2520	1.1075	9.8862	....	70	iii. 331	....	....	M 109
1080	14 46 6,7	−12,79	+0,784	+0,04	+9.8022	−9.7901	−1.1069	+9.8866	473	....	.....	....	....	G 684

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1081*	Persei	6	3 21 33,78	+4,195	+0,0424	+0,001	+8.7988	+8.8810	+0.6227	+8.6665
1082	Fornacis	6	21 44,78	2,316	−0,0007	+0,010	8.7212	8.8041	0.3648	−8.4925
1083	36 Persei	6	22 3,78	4,122	+0,0390	−0,003	8.7819	8.8661	0.6151	+8.6355
1084	4 Tauri ..... *s*	6	22 12,98	3,268	+0,0105	+0,004	8.6347	8.7194	0.5143	+7.9081
1085	Fornacis ..... χ^2	6	22 24,29	2,310	−0,0007	+0,001	8.7206	8.8061	0.3635	−8.4937
1086	Eridani	6	22 33,60	2,059	+0,0001	−0,007	8.7720	8.8581	0.3137	−8.6167
1087	5 Tauri ..... *f*	5½	22 35,94	3,298	+0,0112	+0,006	8.6363	8.7225	0.5183	+7.9689
1088*	Eridani ..... *x*	5½	22 38,21	2,076	0,0000	.....	8.7681	8.8545	0.3173	−8.6090
1089	Persei	6	22 44,94	4,197	+0,0421	+0,021	8.7955	8.8823	0.6229	+8.6627
1090	17 Eridani	4½	23 10,75	2,969	+0,0046	+0,004	8.6268	8.7152	0.4726	−7.6157
1091	Hydri	6	23 26,80	0,198	+0,0518	+0,025	9.0932	9.1827	9.2962	−9.0666
1092	6 Tauri ..... *t*	6	24 29,32	3,233	+0,0096	+0,005	8.6269	8.7204	0.5096	+7.8146
1093	Eridani	5½	24 53,21	2,136	−0,0003	+0,007	8.7488	8.8439	0.3296	−8.5733
1094	Hydri	6	24 54,99	0,228	+0,0497	0,000	9.0837	9.1789	9.3579	−9.0563
1095	7 Tauri	6	25 34,05	3,535	+0,0171	+0,003	8.6582	8.7559	0.5484	+8.2668
1096	Tauri	6½	25 35,57	3,397	+0,0134	−0,021	8.6392	8.7370	0.5311	+8.1134
1097*	Persei	7	25 41,03	3,711	+0,0225	+0,005	8.6881	8.7863	0.5695	+8.4063
1098	Horologii	6	25 48,68	1,914	+0,0013	+0,012	8.7921	8.8907	0.2819	−8.6624
1099	37 Persei ..... ψ	5	25 51,20	4,220	+0,0421	+0,008	8.7903	8.8891	0.6253	+8.6592
1100	18 Eridani ..... *s*	3½	25 52,25	2,887	+0,0034	−0,061	8.6250	8.7239	0.4604	−7.8634
1101*	Persei	6½	26 18,16	3,704	+0,0221	−0,006	8.6851	8.7857	0.5687	+8.3991
1102	Tauri	8	26 43,74	3,420	+0,0139	+0,013	8.6391	8.7413	0.5340	+8.1383
1103	Reticuli	6	26 47,24	0,969	+0,0200	+0,077	8.9662	9.0687	9.9863	−8.9179
1104	19 Eridani ..... τ^5	4	27 9,79	2,643	+0,0009	0,000	8.6485	8.7525	0.4221	−8.2247
1105	Persei	6	27 52,27	4,022	+0,0333	.....	8.7431	8.8498	0.6044	+8.5693
1106	Horologii	6	28 7,21	1,774	+0,0028	+0,018	8.8131	8.9207	0.2490	−8.7029
1107	9 Tauri	6	28 9,23	+3,512	+0,0162	0,000	8.6479	8.7557	+0.5455	+8.2346
1108	Hydri	6	28 16,44	−1,593	+0,1717	−0,106	9.2691	9.3774	−0.2023	−9.2583
1109	Eridani	6	28 32,82	+2,401	−0,0003	+0,001	8.6853	8.7946	+0.3804	−8.4141
1110*	Tauri	6½	29 5,80	3,072	+0,0063	+0,009	8.6106	8.7221	0.4875	+5.8251
1111	Camelopardi	5½	29 10,66	5,122	+0,0891	−0,005	8.9493	9.0611	0.7095	+8.8981
1112	10 Tauri	4½	29 13,43	3,069	+0,0063	−0,011	8.6103	8.7223	0.4870	−5.7446
1113	Reticuli	5½	29 19,37	0,578	+0,0331	−0,036	9.0181	9.1305	9.7617	−8.9821
1114	Tauri	7	29 23,12	3,353	+0,c120	+0,002	8.6248	8.7374	0.5254	+8.0359
1115	20 Eridani	6	29 27,35	+2,727	+0,0016	+0,001	8.6314	8.7443	+ 0.4357	−8.1206
1116*	Mensæ	5½	29 41,71	−2,816	+0,2930	.....	9.3607	9.4746	− 0.4496	−9.3538
1117	Camelopardi	6	30 23,28	+4,872	+0,0731	−0,006	8.9017	9.0182	+ 0.6877	+8.8369
1118	Horologii	6	30 43,65	2,036	+0,0005	−0,008	8.7512	8.8691	0.3088	−8.5947
1119	Tauri	7	30 57,05	3,377	+0,0125	+0,009	8.6233	8.7420	0.5285	+8.0648
1120	Eridani	6	30 59,71	2,345	−0,0002	+0,046	8.6888	8.8077	0.3702	−8.4395
1121	Eridani	6	31 1,39	2,448	0,0000	−0,027	8.6697	8.7888	0.3888	−8.3729
1122	Eridani	6	31 23,59	2,274	−0,0002	+0,016	8.7013	8.8218	0.3567	−8.4787
1123	Persei	6	31 23,85	3,876	+0,0270	+0,025	8.7031	8.8236	0.5884	+8.4835
1124	21 Eridani	6	31 36,85	2,956	+0,0044	−0,004	8.6068	8.7282	0.4708	−7.6339
1125	Eridani	5	3 31 42,77	+2,151	0,0000	−0,004	+8.7248	+8.8466	+0.3326	−8.5397

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1081	42 29 32,8	−12,79	+0,471	−0,01	+9.4393	−9.6722	−1.1067	+9.8867	483	68	iii. 333	....	....	G 694
1082	126 12 17,0	12,77	0,260	−0,08	−9.9061	+9.5754	1.1063	9.8870	....	76	iii. 335	1108	555	
1083	44 27 23,4	12,75	0,464	+0,08	+9.3927	−9.6569	1.1056	9.8875	484	71	iii. 334			
1084	79 10 56,6	12,74	0,368	+0,04	−9.4492	−9.0764	1.1052	9.8877	485	75	ii. 378	....	....	M 110
1085	126 22 30,6	12,73	0,260	−0,02	−9.9073	+9.5757	1.1048	9.8880	....	79	iii. 336	1111	556	
1086	134 22 49,3	12,72	0,232	−0,02	−9.9299	+9.6470	1.1044	9.8883	....	81	iii. 337	1117	557	
1087	77 34 51,1	12,72	0,372	0,00	−9.4108	−9.1347	1.1044	9.8883	486	77	ii. 379	....	....	M 111
1088	133 52 48,7	12,71	0,234	.....	−9.9289	+9.6429	1.1043	9.8884	....	....	.....	1116		
1089	42 33 45,7	12,71	0,474	0,00	+9.4415	−9.6690	1.1040	9.8886	....	74	iv. 271	....	....	G 702
1090	95 35 36,6	12,68	0,336	+0,03	−9.7054	+8.7897	1.1030	9.8892	487	80	ii. 380	....	....	J 63
1091	160 9 6,4	12,66	0,022	−0,01	−9.9429	+9.7736	1.1024	9.8897	....	....	.....	1132	559	
1092	81 8 13,3	12,59	0,367	+0,05	−9.4898	−8.9855	1.1000	9.8913	489	83	ii. 381	....	....	M 112
1093	131 52 42,3	12,56	0,243	+0,24	−9.9261	+9.6213	1.0990	9.8919	....	88	ii. 382	1125	561	
1094	159 51 41,4	12,56	0,026	−0,11	−9.9452	+9.7693	1.0989	9.8919	....	....	.....	1139	564	
1095	66 2 32,8	12,51	0,403	+0,03	−8.8993	−9.4038	1.0974	9.8929	491	86	ii. 383			
1096	72 39 45,9	12,51	0,387	+0,38	−9.2586	−9.2693	1.0973	9.8929	....	87	iii. 339	....	....	M 113
1097	58 29 16,9	12,51	0,423	−0,01	+8.5866	−9.5131	1.0971	9.8931	490	85	iii. 340			
1098	137 53 25,0	12,50	0,218	+0,32	−9.9401	+9.6649	1.0968	9.8933	....	....	v. 264	1130	565	
1099	42 18 40,7	12,49	0,481	+0,04	+9.4568	−9.6634	1.0967	9.8933	488	84	ii. 384			
1100	99 58 11,6	12,49	0,329	+0,06	−9.7504	+9.0328	1.0967	9.8934	493	89	ii. 385	....	....	J 64
1101	58 49 29,2	12,46	0,423	.....	+8.5340	−9.5075	1.0957	9.8940	492	....	.....	....	....	L 312
1102	71 35 58,9	12,43	0,391	−0,03	−9.2151	−9.2916	1.0946	9.8946	....	90	iv. 273	....	....	Z 126
1103	153 28 10,7	12,43	0,111	−0,07	−9.9523	+9.7440	1.0945	9.8947	....	....	.....	1143	566	
1104	112 8 20,3	12,41	0,303	+0,03	−9.8439	+9.3675	1.0936	9.8953	495	95	ii. 386	....	....	J 65
1105	47 54 56,4	12,36	0,462	.....	+9.3135	−9.6159	1.0919	9.8963	....	....	.....	....	....	G 713
1106	140 53 21,5	12,34	0,204	−0,16	−9.9472	+9.6789	1.0913	9.8967	....	....	v. 265	1144	567	
1107	67 17 20,8	12,34	+0,404	+0,04	−8.9818	−9.3757	1.0912	9.8968	494	....	ii. 387	....	....	Z 127
1108	167 15 32,4	12,33	−0,183	−0,33	−9.9370	+9.7779	1.0909	9.8969	....	....	.....	1185	571	
1109	122 22 47,1	12,31	+0,277	+0,25	−9.8972	+9.5168	1.0902	9.8973	....	....	v. 267	1138	569	
1110	89 54 22,1	12,27	0,354	+0,20	−9.6362	−7.0012	1.0889	9.8982	496	98	iii. 343	....	....	B.F 444
1111	27 16 33,4	12,27	0,591	−0,08	+9.7027	−9.7353	1.0887	9.8983	....	94	iii. 342	....	....	G 716
1112	90 4 40,9	12,26	0,354	+0,52	−9.6386	+6.9206	1.0886	9.8983	497	100	ii. 388	....	....	J 66
1113	156 59 49,8	12,26	0,067	−0,10	−9.9534	+9.7501	1.0883	9.8985	....	....	.....	1164	572	
1114	75 4 3,6	12,25	0,387	+0,12	−9.3330	−9.1970	1.0882	9.8986	....	99	iii. 344	....	....	M 114
1115	107 58 1,6	12,25	+0,315	+0,01	−9.8176	+9.2750	1.0880	9.8987	498	101	ii. 389			
1116	169 47 43,1	12,23	−0,326	.....	−9.9329	+9.7783	1.0874	9.8990	....	....	.....	1210		
1117	30 31 15,6	12,18	+0,565	+0,11	+9.6664	−9.7187	1.0857	9.9000	....	97	iii. 345	....	....	G 719
1118	134 12 57,9	12,16	0,236	+0,04	−9.9373	+9.6261	1.0849	9.9005	....	108	iii. 346	1154	573	
1119	73 57 18,7	12,14	0,392	+0,06	−9.2947	−9.2236	1.0843	9.9008	....	103	ii. 390	....	....	W 206
1120	124 17 0,8	12,14	0,272	+1,22	−9.9069	+9.5327	1.0842	9.9009	....	....	v. 268	1153	574	
1121	120 19 21,9	12,14	0,284	−0,75	−9.8901	+9.4851	1.0841	9.9010	....	....	v. 269	1152	575	
1122	126 47 20,6	12,11	0,264	+0,22	−9.9164	+9.5583	1.0832	9.9015	....	....	v. 270	1155	576	
1123	52 54 27,3	12,11	0,451	−0,07	+9.1287	−9.5614	1.0832	9.9015	....	104	iii. 347			
1124	96 6 37,8	12,10	0,344	+0,21	−9.7130	+8.8076	1.0827	9.9018	502	109	ii. 391			
1125	130 46 10,0	−12,09	+0,250	+0,01	−9.9293	+9.5951	−1.0824	+9.9019	....	113	iii. 350	1161	578	J 67

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1126	11 Tauri	6	3 31 49,29	+3,565	+0,0173	+0,003	+8.6460	+8.7682	+0.5520	+8.2693
1127	Camelopardi.....	6	31 52,93	5,552	+0,1156	+0,033	9.0069	9.1293	0.7445	+8.9701
1128	12 Tauri	6	32 2,67	3,119	+0,0072	−0,002	8.6037	8.7268	0.4940	+7.2546
1129	39 Persei ..... δ	3	32 15,98	4,229	+0,0404	+0,006	8.7714	8.8953	0.6262	+8.6377
1130*	Eridani.....	5½	32 33,29	2,491	+0,0002	−0,004	8.6578	8.7829	0.3964	−8.3356
1131	Reticuli	5½	32 44,36	0,637	+0,0301	+0,024	8.9966	9.1224	9.8041	−8.9582
1132*	40 Persei ..... o	6	32 52,67	3,779	+0,0235	+0,002	8.6800	8.8063	0.5774	+8.4216
1133*	Camelopardi.....	5	32 57,97	5,161	+0,0886	0,000	8.9419	9.0686	0.7127	+8.8912
1134	22 Eridani.....	5½	33 13,05	2,964	+0,0046	+0,003	8.6024	8.7301	0.4718	−7.5994
1135	13 Tauri	6½	33 40,23	3,445	+0,0140	+0,001	8.6240	8.7535	0.5372	+8.1414
1136	Eridani.....	6	34 23,63	2,140	+0,0002	−0,007	8.7185	8.8508	0.3305	−8.5340
1137*	Camelopardi....γ	4½	34 34,89	6,174	+0,1602	−0,035	9.0812	9.2143	0.7906	+9.0565
1138*	38 Persei ..... o	4	34 55,11	3,739	+0,0219	−0,006	8.6666	8.8011	0.5728	+8.3885
1139	41 Persei ..... ν	4	35 1,24	4,045	+0,0323	+0,001	8.7253	8.8601	0.6069	+8.5516
1140	14 Tauri	7	35 7,31	3,446	+0,0138	+0,012	8.6202	8.7555	0.5373	+8.1370
1141	Reticuli	6	35 10,66	1,182	+0,0133	−0,025	8.8999	9.0353	0.0725	−8.8386
1142	Persei	6	35 30,49	4,158	+0,0365	.....	8.7465	8.8833	0.6189	+8.5975
1143	Tauri	7	35 44,86	3,474	+0,0144	−0,002	8.6221	8.7598	0.5408	+8.1654
1144*	Camelopardi.....	5	35 50,07	5,395	+0,1011	−0,003	8.9685	9.1066	0.7320	+8.9260
1145	Eridani.....	6	35 50,71	2,122	+0,0003	−0,001	8.7174	8.8555	0.3268	−8.5366
1146	16 Tauri	5½	35 53,77	3,548	+0,0164	+0,006	8.6320	8.7704	0.5500	+8.2382
1147	17 Tauri	4½	35 58,56	3,544	+0,0163	+0,004	8.6313	8.7699	0.5495	+8.2343
1148*	23 Eridani..... δ	3½	36 4,05	2,875	+0,0034	−0,004	8.6000	8.7390	0.4586	−7.8513
1149*	18 Tauri	7	36 13,21	3,561	+0,0166	+0,001	8.6331	8.7727	0.5516	+8.2485
1150	Eridani.....	5	36 17,03	2,383	+0,0001	−0,005	8.6660	8.8059	0.3771	−8.3953
1151	19 Tauri	5	36 17,35	3,553	+0,0164	+0,004	8.6316	8.7715	0.5505	+8.2408
1152	Eridani.....	6	36 24,15	2,861	+0,0032	+0,003	8.6001	8.7404	0.4565	−7.8793
1153	24 Eridani.....	6½	36 53,39	3,040	+0,0057	−0,001	8.5910	8.7333	0.4828	−7.0476
1154	20 Tauri	5	36 54,53	3,551	+0,0163	+0,004	8.6297	8.7720	0.5504	+8.2372
1155	Tauri	7	36 58,22	3,524	+0,0156	+0,017	8.6255	8.7681	0.5470	+8.2115
1156	21 Tauri	7	36 59,17	3,556	+0,0164	+0,009	8.6301	8.7728	0.5509	+8.2408
1157	22 Tauri	7	37 7,19	3,555	+0,0164	+0,002	8.6297	8.7729	0.5509	+8.2399
1158	25 Eridani.....	6½	37 16,02	3,056	+0,0060	0,000	8.5899	8.7337	0.4851	−6.7198
1159	Eridani..... υ^1	5	37 17,05	2,229	+0,0001	+0,019	8.6920	8.8359	0.3480	−8.4793
1160	Horologii	6	37 21,13	1,928	+0,0015	−0,008	8.7513	8.8954	0.2852	−8.6114
1161	23 Tauri	5	37 25,87	3,543	+0,0160	+0,006	8.6269	8.7714	0.5493	+8.2272
1162	29 Tauri ..... u^1	6	37 42,59	3,177	+0,0080	+0,005	8.5907	8.7363	0.5020	+7.5782
1163	Tauri	7	38 4,15	3,557	+0,0164	+0,025	8.6271	8.7741	0.5510	+8.2373
1164*	24 Tauri	7	38 26,26	3,548	+0,0160	0,000	8.6248	8.7733	0.5500	+8.2281
1165	Tauri	7	38 34,31	3,552	+0,0161	+0,004	8.6250	8.7740	0.5505	+8.2313
1166	25 Tauri ..... η	3	38 34,57	3,548	+0,0160	+0,004	8.6244	8.7734	0.5500	+8.2275
1167	Eridani.....	6	38 48,02	2,118	+0,0004	+0,006	8.7088	8.8587	0.3259	−8.5269
1168	26 Eridani..... π	5	39 3,23	2,827	+0,0029	+0,003	8.5956	8.7466	0.4513	−7.9335
1169	Eridani.....	6	39 19,54	2,176	+0,0002	−0,003	8.6956	8.8477	0.3377	−8.4972
1170	Tauri	7	3 39 28,37	+3,534	+0,0156	+0,001	+8.6198	+8.7724	+0.5482	+8.2108

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1126	65 9 39,3	−12,08	+0,415	+0,05	−8.7672	−9.4032	−1.0821	+9.9021	500	107	iii. 349			
1127	23 16 29,4	12,08	0,646	−0,01	+9.7497	−9.7429	1.0820	9.9022	....	102	iii. 348	....	....	G 721
1128	87 26 3,9	12,07	0,363	−0,01	−9.5996	−8.4303	1.0816	9.9024	503	110	ii. 395			
1129	42 41 49,4	12,05	0,493	+0,03	+9.4672	−9.6451	1.0810	9.9027	499	106	ii. 393			
1130	118 26 6,2	12,03	0,291	−0,08	−9.8823	+9.4558	1.0803	9.9031	....	114	ii. 396	1163	579	
1131	156 15 28,9	12,02	0,074	−0,80	−9.9579	+9.7392	1.0798	9.9034	....	....	.....	1188	582	
1132	56 31 13,9	12,01	0,441	0,00	+8.9020	−9.5189	1.0795	9.9036	501	112	iii. 352	....	....	B.F 449
1133	27 8 7,9	12,00	0,603	+0,07	+9.7119	−9.7264	1.0792	9.9037	....	105	iii. 351	....	....	B.H 277
1134	95 41 57,2	11,98	0,347	+0,02	−9.7088	+8.7734	1.0786	9.9041	505	116	ii. 397			
1135	70 47 2,2	11,95	0,403	+0,01	−9.1629	−9.2926	1.0775	9.9047	504	118	ii. 398			
1136	130 50 25,1	11,90	0,251	−0,04	−9.9318	+9.5889	1.0756	9.9057	....	126	iii. 354	1181	583	
1137	19 8 14,5	11,89	0,725	+0,03	+9.7914	−9.7482	1.0751	9.9060	....	111	iii. 353	....	....	B.H 284
1138	58 11 27,3	11,86	0,440	−0,03	+8.7497	−9.4939	1.0742	9.9065	....	123	ii. 400	....	....	B.H 1144
1139	47 53 59,3	11,86	0,476	0,00	+9.3399	−9.5981	1.0740	9.9066	506	122	ii. 399			
1140	70 48 46,7	11,85	0,406	+0,02	−9.1608	−9.2882	1.0737	9.9067	507	125	ii. 401			
1141	150 16 3,0	11,85	0,139	−0,15	−9.9619	+9.7101	1.0736	9.9068	....	....	v. 275	1197	586	
1142	44 47 38,1	11,82	0,490	.....	+9.4272	−9.6215	1.0727	9.9073	....	....	.....	....	....	G 731
1143	69 33 2,3	11,81	0,410	+0,12	−9.0941	−9.3132	1.0721	9.9076	....	128	iii. 356			
1144	24 56 42,6	11,80	0,636	+0,01	+9.7405	−9.7271	1.0719	9.9077	....	121	iii. 355	....	....	B.H 275
1145	131 15 5,7	11,80	0,250	−0,01	−9.9343	+9.5888	1.0718	9.9077	....	140	iii. 357	1190	587	
1146	66 11 11,1	11,80	0,419	+0,05	8.8476	−9.3756	1.0717	9.9078	508	129	ii. 402	....	....	M 115
1147	66 21 44,2	11,79	0,418	+0,03	8.8645	−9.3724	1.0715	9.9079	509	130	ii. 403	....	....	M 116
1148	100 16 29,6	11,78	0,339	−0,73	9.7569	+9.0204	1.0713	9.9081	515	134	ii. 406	...	....	J 68
1149	65 38 11,3	11,77	0,420	+0,11	8.7875	−9.3841	1.0709	9.9083	510	131	ii. 404	....	....	M 117
1150	122 25 13,5	11,77	0,281	+0,04	9.9033	+9.4978	1.0707	9.9084	....	142	iii. 358	1191	589	J 69
1151	66 0 25,6	11,77	0,420	+0,02	8.8274	−9.3777	1.0707	9.9084	511	132	ii. 405	....	....	M 118
1152	100 57 52,0	11,76	0,338	+0,05	9.7635	+9.0474	1.0704	9.9085	....	138	ii. 407	....	....	W 214
1153	91 38 23,4	11,73	0,360	+0,01	9.6599	+8.2235	1.0691	9.9092	517	143	iii. 361			
1154	66 6 18,4	11,72	0,420	+0,04	8.8338	−9.3744	1.0691	9.9092	512	136	ii. 409	....	....	M 119
1155	67 19 32,5	11,72	0,417	+0,11	8.9425	−9.3527	1.0689	9.9093	....	139	iii. 359			
1156	65 55 5,1	11,72	0,421	+0,03	8.8136	−9.3773	1.0689	9.9093	513	137	iii. 360	....	....	M 120
1157	65 56 36,7	11,71	0,421	0,00	8.8156	−9.3766	1.0685	9.9095	514	141	iii. 362	....	....	M 121
1158	90 46 22,2	11,70	0,362	+0,04	9.6483	+7.8958	1.0681	9.9097	518	145	iii. 363			
1159	127 47 19,6	11,70	0,264	−0,03	9.9247	+9.5531	1.0681	9.9097	....	149	ii. 411	1198	591	J 70
1160	136 26 17,1	11,69	0,229	+0,07	9.9484	+9.6258	1.0679	9.9098	....	....	v. 277	1208	592	
1161	66 31 22,1	11,69	0,420	+0,03	8.8704	−9.3658	1.0677	9.9099	516	144	ii. 410	....	....	M 122
1162	84 25 26,0	11,67	0,377	+0,04	9.5477	−8.7522	1.0669	9.9103	519	146	ii. 412			
1163	65 56 57,8	11,64	0,422	+0,06	8.8089	−9.3739	1.0660	9.9108	....	147	iii. 364			
1164	66 21 8,0	11,62	0,422	+0,12	8.8482	−9.3661	1.0650	9.9113	520	150	iii. 365	....	....	M 123
1165	66 10 45,3	11,61	0,423	+0,05	8.8300	−9.3687	1.0647	9.9115	....	151	ii. 413	....	....	W 216
1166	66 21 45,8	11,61	0,422	+0,05	8.8488	−9.3655	1.0646	9.9115	521	152	ii. 414	....	....	M 124
1167	131 7 44,7	11,59	0,252	−0,26	9.9364	+9.5799	1.0640	9.9118	....	....	v. 278	1214	594	
1168	102 34 32,2	11,57	0,337	−0,04	9.7791	+9.0991	1.0634	9.9121	526	154	ii. 415	....	....	J 71
1169	129 17 34,1	11,55	0,259	−0,08	9.9313	+9.5620	1.0626	9.9125	....	....	v. 279	1217	595	
1170	67 2 38,4	−11,54	+0,422	+0,05	−8.9063	−9.3511	−1.0622	+9.9127	522	....	ii. 416			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1171*	Tauri	7	3 39 34,54	+3,555	+0,0161	+0,004	+8.6225	+8.7756	+0.5508	+8.2298
1172	Persei	6	39 38,77	4,146	+0,0348	.....	8.7303	8.8836	0.6176	+8.5760
1173*	26 Tauri	7	40 2,52	3,545	+0,0158	+0,001	8.6197	8.7746	0.5496	+8.2185
1174	30 Tauri ..... *e*	5	40 2,99	3,277	+0,0097	+0,002	8.5900	8.7449	0.5155	+7.8578
1175	42 Persei ..... *n*	6	40 4,57	3,772	+0,0221	+0,002	8.6569	8.8120	0.5766	+8.3886
1176	27 Tauri	5	40 15,03	3,549	+0,0159	+0,003	8.6197	8.7755	0.5501	+8.2220
1177	28 Tauri	5½	40 16,30	3,551	+0,0160	+0,004	8.6199	8.7758	0.5504	+8.2237
1178	Tauri	7	40 18,54	3,546	+0,0157	+0,014	8.6190	8.7750	0.5497	+8.2184
1179	Eridani	6	40 20,67	2,443	+0,0003	+0,002	8.6432	8.7994	0.3878	−8.3396
1180	Tauri	7	40 21,73	3,248	+0,0092	+0,015	8.5871	8.7434	0.5116	+7.7900
1181	27 Eridani ..... τ^6	4½	40 23,78	2,589	+0,0010	−0,007	8.6197	8.7761	0.4132	−8.2238
1182*	Tauri	7½	40 25,95	3,557	+0,0161	+0,005	8.6203	8.7768	0.5511	+8.2282
1183	Reticuli	6	40 28,67	1,507	+0,0066	.....	8.8221	8.9788	0.1780	−8.7353
1184	Horologii	5½	40 36,69	1,859	+0,0021	+0,006	8.7539	8.9111	0.2694	−8.6238
1185	Doradus	6	40 44,71	1,518	+0,0064	−0,011	8.8192	8.9770	0.1811	−8.7312
1186	Tauri	7½	40 50,02	3,542	+0,0156	+0,011	8.6170	8.7752	0.5493	+8.2134
1187*	Tauri	7	41 0,93	3,557	+0,0160	+0,005	8.6186	8.7775	0.5511	+8.2260
1188	Tauri	7	41 3,85	3,546	+0,0157	+0,005	8.6169	8.7759	0.5497	+8.2156
1189	Tauri	7	41 6,38	+3,510	+0,0149	+0,003	8.6117	8.7709	+0.5453	+8.1812
1190	Hydri	6	41 10,99	−2,511	+0,2336	.....	9.2932	9.4528	−0.3998	−9.2850
1191	28 Eridani ..... τ^7	5	41 12,65	+2,573	+0,0009	+0,004	8.6197	8.7793	+0.4105	−8.2348
1192	Tauri	6½	41 18,61	3,586	+0,0167	+0,015	8.6221	8.7822	0.5546	+8.2500
1193*	Eridani	7	41 42,11	3,034	+0,0055	.....	8.5781	8.7398	0.4820	−7.1019
1194*	Eridani	6	41 52,23	2,419	+0,0003	−0,007	8.6426	8.8050	0.3836	−8.3496
1195	Tauri	7	41 57,45	3,550	+0,0157	−0,001	8.6148	8.7775	0.5502	+8.2156
1196	Eridani	6	42 10,93	2,253	+0,0002	−0,004	8.6718	8.8354	0.3527	−8.4469
1197	Reticuli	4	42 19,71	+0,675	+0,0266	+0,028	8.9548	9.1190	+9.8292	−8.9130
1198	Mensæ	6	42 19,79	−2,506	+0,2306	−0,058	9.2882	9.4524	−0.3989	−9.2799
1199	Eridani	5	43 3,90	+2,205	+0,0004	+0,015	8.6780	8.8452	+0.3433	−8.4682
1200*	Mensæ	6	43 22,80	−2,945	+0,2720	.....	9.3158	9.4843	−0.4691	−9.3086
1201	Eridani ..... υ^2	4	43 50,30	+2,246	+0,0003	−0,013	8.6676	8.8380	+0.3514	−8.4436
1202	31 Tauri ..... κ^2	6	44 0,54	3,189	+0,0079	0,000	8.5739	8.7450	0.5036	+7.5989
1203*	Camelopardi	5	44 12,88	5,213	+0,0832	−0,016	8.9083	9.0802	0.7171	+8.8567
1204*	Camelopardi	5½	44 22,47	5,045	+0,0738	−0,007	8.8803	9.0528	0.7029	+8.8207
1205*	Eridani	7	44 32,27	3,040	+0,0055	.....	8.5701	8.7433	0.4828	−7.0172
1206	Tauri	7	44 35,65	3,408	+0,0122	+0,008	8.5889	8.7624	0.5324	+8.0518
1207	44 Persei ..... ζ	3½	44 42,84	3,750	+0,0207	+0,005	8.6384	8.8123	0.5740	+8.3557
1208*	Horologii	6	44 44,71	2,028	+0,0010	−0,032	8.7066	8.8806	0.3071	−8.5418
1209*	29 Eridani	7	45 5,22	2,963	+0,0046	−0,001	8.5704	8.7459	0.4718	−7.5527
1210*	Persei	5½	45 10,93	4,281	+0,0382	0,000	8.7378	8.9137	0.6316	+8.6050
1211*	Cassiopeæ	5½	45 11,57	9,560	+0,5112	+0,005	9.3404	9.5163	0.9805	+9.3341
1212	30 Eridani	6	45 17,35	2,957	+0,0045	+0,003	8.5701	8.7464	0.4709	−7.5756
1213	Eridani	6	45 20,62	2,155	+0,0005	+0,007	8.6799	8.8564	0.3335	−8.4828
1214	43 Persei ..... A	5½	45 28,62	+4,409	+0,0433	+0,013	8.7615	8.9386	+0.6444	+8.6474
1215*	Hydri	5	3 46 10,10	−0,445	+0,0729	.....	+9.0848	+9.2647	−9.6488	−9.0639

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
1171	66 7 6,0	−11,53	+0,424	+0,02	−8.8169	−9.3670	−1.0620	+9.9128	523	153	iii. 366			
1172	45 29 42,6	11,53	0,495	.....	+9.4218	−9.6053	1.0618	9.9129	....	....	.....	....	....	G 743
1173	66 36 17,1	11,50	0,424	−0,01	−8.8633	−9.3574	1.0607	9.9134	525	156	iii. 368			
1174	79 19 21,1	11,50	0,392	+0,05	−9.4387	−9.0263	1.0607	9.9134	529	159	ii. 417	....	....	M 128
1175	57 22 22,6	11,50	0,451	+0,01	+8.8825	−9.4901	1.0606	9.9135	524	155	iii. 367			
1176	66 24 33,2	11,49	0,424	+0,05	−8.8426	−9.3602	1.0601	9.9137	527	157	ii. 418	....	....	M 125
1177	66 19 31,3	11,48	0,425	+0,04	8.8338	−9.3616	1.0601	9.9137	528	158	ii. 419	....	....	M 126
1178	66 34 31,2	11,48	0,424	+0,04	8.8585	−9.3571	1.0600	9.9138	....	161	iii. 369			
1179	119 48 28,6	11,48	0,292	+0,02	9.8944	+9.4541	1.0599	9.9138	....	169	ii. 420	1224	598	
1180	80 49 14,5	11,48	0,388	+0,09	9.4736	−8.9604	1.0598	9.9138	....	162	iii. 370			
1181	113 41 43,0	11,48	0,310	+0,51	9.8615	+9.3616	1.0597	9.9139	530	168	iii. 371	1220	597	J 72
1182	66 4 54,5	11,47	0,426	+0,09	8.8069	−9.3653	1.0596	9.9139	....	....	.....	....	....	M 127
1183	144 57 21,9	11,47	0,180	.....	9.9642	+9.6704	1.0595	9.9140	....	....	v. 283	....	605	
1184	137 49 44,6	11,46	0,223	+0,15	9.9540	+9.6268	1.0592	9.9142	....	....	v. 284	1232	601	
1185	144 44 55,3	11,45	0,182	−0,05	9.9643	+9.6686	1.0588	9.9144	....	....	v. 285	1237	602	
1186	66 44 54,4	11,44	0,424	−0,05	8.8722	−9.3527	1.0586	9.9145	....	163	iv. 286	....	....	B.F 476
1187	66 6 50,1	11,43	0,426	+0,29	8.8069	−9.3632	1.0581	9.9147	....	164	iii. 372			
1188	66 36 36,2	11,43	0,425	−0,06	8.8573	−9.3545	1.0579	9.9148	....	165	iii. 373			
1189	68 12 57,8	11,42	+0,421	+0,04	8.9912	−9.3251	1.0578	9.9148	....	166	ii. 422	....	....	W 220
1190	168 51 33,9	11,42	−0,301	.....	9.9496	+9.7471	1.0576	9.9149	....	....	.....	....	611	
1191	114 20 34,7	11,42	+0,309	−0,03	9.8659	+9.3704	1.0575	9.9150	532	173	ii. 424	1226	603	J 73
1192	64 52 45,8	11,41	0,430	+0,25	8.6415	−9.3829	1.0572	9.9151	....	170	ii. 423	....	....	B.H 1389
1193	91 54 51,6	11,38	0,364	−0,02	9.6639	+8.2778	1.0562	9.9156	531	....	.....	....	....	B 22
1194	120 37 14,0	11,37	0,291	+0,09	9.8993	+9.4605	1.0557	9.9158	....	176	iii. 377	1234	608	
1195	66 29 43,6	11,36	0,427	−0,03	8.8414	−9.3540	1.0555	9.9159	....	172	iii. 376			
1196	126 34 17,3	11,35	0,271	+0,14	9.9242	+9.5278	1.0549	9.9162	....	180	iii. 378	1238	609	
1197	155 16 46,5	11,34	+0,081	−0,13	9.9689	+9.7105	1.0544	9.9164	....	....	ii. 425	1253	....	J 74
1198	168 48 40,0	11,34	−0,301	+0,99	9.9511	+9.7439	1.0544	9.9164	....	....	.....	1296	614	
1199	128 4 51,8	11,28	+0,266	−0,12	9.9302	+9.5403	1.0524	9.9174	....	182	iv. 291	1244	610	J 75
1200	169 34 42,0	11,26	−0,355	−0,17	9.9506	+9.7421	1.0515	9.9178	....	....	.....	1307	617	
1201	126 39 26,5	11,23	+0,271	+0,08	9.9257	+9.5240	1.0502	9.9184	....	189	ii. 428	1248	612	J 76
1202	83 55 7,7	11,21	0,386	−0,02	−9.5362	−8.7726	1.0498	9.9186	535	184	ii. 427			
1203	27 22 26,0	11,20	0,631	−0,05	+9.7301	−9.6954	1.0492	9.9189	....	177	iii. 380	....	....	B.H 278
1204	29 20 13,1	11,19	0,611	−0,06	+9.7083	−9.6869	1.0487	9.9191	....	178	iii. 381	....	....	B.H 279
1205	91 36 15,2	11,18	0,368	+0,10	−9.6599	+8.1931	1.0483	9.9193	536	....	.....	....	....	L 250
1206	73 7 24,9	11,17	0,413	+0,06	−9.2411	−9.2088	1.0481	9.9193	....	187	iii. 382	....	....	M 129
1207	58 33 57,6	11,16	0,454	+0,02	+8.7993	−9.4628	1.0478	9.9195	534	185	ii. 430			
1208	133 11 4,7	11,16	0,246	0,00	−9.9469	+9.5807	1.0477	9.9195	....	....	v. 288	1255	615	
1209	95 30 31,3	11,14	0,359	+0,07	−9.7091	+8.7267	1.0467	9.9200	537	190	iii. 384			
1210	42 34 27,1	11,13	0,519	0,00	+9.5038	−9.6113	1.0464	9.9201	....	186	iii. 383	....	....	B.F 479
1211	9 43 34,0	11,13	1,160	−0,05	+9.8732	−9.7379	1.0464	9.9201	....	160	iv. 292	....	....	B.H 491
1212	95 48 46,7	11,12	0,359	+0,02	−9.7127	+8.7495	1.0461	9.9202	538	191	ii. 431			
1213	129 26 16,5	11,12	0,262	−0,13	−9.9365	+9.5467	1.0460	9.9203	....	193	iii. 386	1256	616	
1214	39 44 42,8	11,11	+0,535	+0,16	+9.5596	−9.6293	1.0456	9.9205	533	188	iii. 385			
1215	162 23 54,8	−11,06	−0,054	.....	−9.9668	+9.7206	−1.0436	+9.9213	....	....	.....	1298		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1216	32 Eridani	5	3 46 45,82	+3,004	+0,0050	+0,007	+8.5644	+8.7467	+0.4777	−7.3377
1217	33 Eridani τ^3	5	47 20,24	+2,547	+0,0010	+0,009	8.6049	8.7896	+0.4061	−8.2318
1218	Hydri	6	47 45,05	−0,067	+0,0535	+0,011	9.0339	9.2204	−8.8228	−9.0079
1219	45 Persei ε	3½	47 48,04	+3,997	+0,0275	0,000	8.6736	8.8603	+0.6017	+8.4778
1220	Eridani υ^3	5	47 55,89	2,280	+0,0004	−0,003	8.6478	8.8350	0.3580	−8.4083
1221	32 Tauri	6	48 0,77	3,525	+0,0145	+0,006	8.5929	8.7805	0.5471	+8.1673
1222	Eridani	6	48 5,86	2,471	+0,0006	−0,001	8.6143	8.8022	0.3929	−8.2876
1223*	33 Tauri	6	48 10,63	3,541	+0,0148	+0,007	8.5946	8.7829	0.5491	+8.1818
1224	Eridani	6½	48 15,02	2,072	+0,0009	−0,045	8.6860	8.8745	0.3164	−8.5087
1225	Horologii	6	48 54,75	1,851	+0,0023	0,000	8.7263	8.9176	0.2674	−8.5928
1226	Tauri	7	49 3,25	3,181	+0,0076	+0,009	8.5590	8.7509	0.5026	+7.5486
1227*	Eridani	6	49 8,13	2,100	+0,0008	−0,002	8.6776	8.8698	0.3221	−8.4928
1228	46 Persei ξ	5	49 14,57	3,869	+0,0233	0,000	8.6449	8.8376	0.5876	+8.4073
1229	Eridani	7	49 28,59	+ 2,789	+0,0026	+0,003	8.5689	8.7625	+0.4455	−7.9536
1230	Hydri γ	3	49 37,76	− 1,047	+0,1047	+0,009	9.1338	9.3280	−0.0197	−9.1181
1231	Eridani	6	49 52,35	+ 2,151	+0,0006	−0,005	8.6652	8.8605	+0.3327	−8.4660
1232	Horologii	6	49 57,42	1,868	+0,0022	+0,005	8.7193	8.9150	0.2713	−8.5824
1233	Horologii	6	50 37,84	1,565	+0,0055	−0,005	8.7741	8.9725	0.1944	−8.6772
1234	34 Eridani γ	2½	51 1,92	2,790	+0,0026	+0,006	8.5640	8.7642	0.4456	−7.9458
1235*	Ursæ Minoris	6	51 3,66	16,399	+1,8219	+0,057	9.6237	9.8241	1.2148	+9.6221
1236	Eridani	6	51 7,77	2,142	+0,0007	+0,019	8.6627	8.8633	0.3307	−8.4653
1237	Camelopardi	5½	51 58,81	4,938	+0,0636	−0,007	8.8330	9.0371	0.6935	+8.7648
1238	Tauri	7	52 2,72	3,547	+0,0146	+0,001	8.5832	8.7876	0.5498	+8.1711
1239	Tauri	7	52 3,29	3,415	+0,0117	+0,009	8.5671	8.7715	0.5333	+8.0298
1240	Tauri	6½	52 10,44	3,434	+0,0121	+0,007	8.5688	8.7738	0.5358	+8.0533
1241	35 Tauri λ	4	52 22,49	3,313	+0,0097	+0,002	8.5567	8.7625	0.5203	+7.8768
1242*	Tauri	7	52 23,02	3,479	+0,0130	+0,002	8.5734	8.7792	0.5414	+8.1027
1243	36 Eridani τ^9	5	53 31,92	2,553	+0,0011	+0,002	8.5842	8.7949	0.4071	−8.2010
1244	Tauri	7	53 35,51	3,263	+0,0088	+0,009	8.5493	8.7603	0.5136	+7.7702
1245	35 Eridani	5	53 56,19	3,031	+0,0053	+0,003	8.5425	8.7549	0.4816	−7.0796
1246	Doradus	6	53 57,31	1,710	+0,0036	−0,024	8.7344	8.9469	0.2331	−8.6190
1247*	Ursæ Minoris	6	54 1,38	12,961	+1,0125	+0,072	9.4830	9.6959	1.1127	+9.4801
1248*	Reticuli	6	54 7,62	0,742	+0,0222	.....	8.8984	9.1116	9.8704	−8.8517
1249	Horologii	6	54 26,48	1,955	+0,0016	+0,013	8.6862	8.9008	0.2912	−8.5307
1250	Eridani	6	54 41,59	2,387	+0,0006	+0,003	8.6064	8.8220	0.3778	−8.3172
1251	38 Tauri ν	5	55 10,90	3,182	+0,0074	+0,003	8.5404	8.7581	0.5027	+7.5274
1252	Persei	6½	55 15,73	4,277	+0,0349	+0,005	8.7004	8.9184	0.6311	+8.5610
1253	36 Tauri	6½	55 23,72	3,573	+0,0148	+0,002	8.5759	8.7945	0.5530	+8.1799
1254	47 Persei λ	4½	55 25,61	4,431	+0,0404	0,000	8.7289	8.9477	0.6465	+8.6128
1255	Reticuli	6	55 30,84	1,272	+0,0100	−0,006	8.8074	9.0265	0.1045	−8.7336
1256	40 Tauri	6	55 47,92	3,171	+0,0072	+0,002	8.5381	8.7584	0.5012	+7.4797
1257	37 Tauri A^1	5	55 50,05	3,526	+0,0137	+0,008	8.5681	8.7886	0.5472	+8.1354
1258	Reticuli	6	56 18,50	1,311	+0,0091	−0,025	8.7975	9.0200	0.1177	−8.7206
1259	Reticuli δ	5	56 23,41	0,929	+0,0170	+0,025	8.8604	9.0833	9.9679	−8.8057
1260	39 Tauri A^2	6	3 56 27,84	+3,525	+0,0136	+0,016	+ 8.5659	+ 8.7891	+ 0.5472	+8.1319

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1216	93 24 6,8	−11,01	+0,366	0,00	−9.6838	+8.5130	−1.0419	+9.9221	540	195	ii. 432	....	....	J 77
1217	115 3 40,4	10,97	+0,311	+0,09	−9.8737	+9.3650	1.0403	9.9228	543	198	ii. 434	1270	618	
1218	160 20 39,9	10,94	−0,008	+0,04	−9.9709	+9.7108	1.0391	9.9233	....	....	.....	1301	623	
1219	50 25 43,2	10,94	+0,489	+0,03	+9.2999	−9.5409	1.0389	9.9234	539	196	ii. 433			
1220	125 10 44,4	10,93	0,279	+0,05	−9.9231	+9.4968	1.0385	9.9235	....	202	ii. 437	1275	620	J 78
1221	67 57 28,0	10,92	0,431	+0,14	−8.9415	−9.3104	1.0383	9.9236	....	197	ii. 435	....	....	M 130
1222	118 7 2,3	10,92	0,302	+0,35	−9.8910	+9.4091	1.0380	9.9237	....	....	v. 290	1273	621	
1223	67 15 50,9	10,91	0,433	+0,01	−8.8802	−9.3227	1.0378	9.9238	541	199	ii. 436			
1224	131 40 17,1	10,90	0,254	−0,06	−9.9456	+9.5581	1.0376	9.9239	....	....	v. 291	1282	622	
1225	137 20 12,1	10,86	0,227	+0,03	−9.9602	+9.5999	1.0357	9.9247	....	....	v. 292	1287	624	
1226	84 23 50,9	10,85	0,390	+0,14	−9.5438	−8.7226	1.0352	9.9249	....	203	iii. 388	....	....	B.F 492
1227	130 48 6,5	10,84	0,258	−0,01	−9.9436	+9.5480	1.0350	9.9250	....	206	iii. 389	1286	625	
1228	54 38 43,9	10,83	0,475	+0,04	+9.1242	−9.4949	1.0347	9.9251	542	201	ii. 438			
1229	104 2 11,9	10,81	+0,343	−0,03	−9.7961	+9.1166	1.0340	9.9254	544	205	iii. 390			
1230	164 41 53,0	10,80	−0,129	−0,07	−9.9671	+9.7156	1.0335	9.9256	....	....	ii. 439	1322	629	J 79, R 89
1231	129 11 58,9	10,79	+0,265	−0,01	−9.9391	+9.5313	1.0328	9.9259	....	209	iii. 391	1293	626	
1232	136 51 26,8	10,78	0,230	−0,08	−9.9600	+9.5935	1.0326	9.9260	....	....	v. 293	1297	627	
1233	143 7 42,5	10,73	0,193	+0,08	−9.9714	+9.6314	1.0306	9.9268	....	....	v. 294	1304	628	
1234	103 56 18,7	10,70	0,344	+0,10	−9.7958	+9.1089	1.0294	9.9273	546	210	ii. 440	....	....	J 80
1235	4 51 2,5	10,69	2,023	−0,05	+9.9064	−9.7254	1.0291	9.9274	....	....	.....	....	....	G 750, P 142
1236	129 23 59,3	10,69	0,264	+0,07	−9.9407	+9.5294	1.0291	9.9274	....	216	iii. 392	1299	630	
1237	31 16 4,2	10,63	0,611	+0,01	+9.6986	−9.6561	1.0265	9.9284	....	208	iii. 393	....	....	B.H 280
1238	67 13 30,2	10,62	0,439	0,00	−8.8561	−9.3119	1.0263	9.9285	545	213	iii. 394			
1239	73 7 47,3	10,62	0,422	−0,07	−9.2284	−9.1868	1.0263	9.9285	....	214	iii. 395			
1240	72 13 58,9	10,62	0,425	+0,03	−9.1887	−9.2082	1.0259	9.9286	....	215	ii. 441	....	....	W 227
1241	77 56 13,8	10,60	0,410	−0,01	−9.3927	−9.0432	1.0253	9.9289	548	218	ii. 443	....	....	M 131
1242	70 13 32,5	10,60	0,431	+0,07	−9.0835	−9.2524	1.0253	9.9289	547	217	ii. 442	....	....	A 99
1243	114 26 42,0	10,51	0,317	−0,01	−9.8736	+9.3363	1.0218	9.9302	551	221	ii. 444	1312	632	J 81
1244	80 25 40,9	10,51	0,405	+0,10	−9.4568	−8.9402	1.0216	9.9303	....	220	iii. 396			
1245	91 58 27,3	10,48	0,377	+0,05	−9.6657	+8.2555	1.0205	9.9307	550	222	ii. 445	....	....	J 82
1246	140 2 30,0	10,48	0,213	−0,08	−9.9695	+9.6027	1.0204	9.9307	....	....	v. 296	1318	633	
1247	6 34 32,3	10,48	1,612	−0,02	+9.9017	−9.7151	1.0202	9.9308	....	....	.....	....	....	G 766, P 146
1248	153 54 33,2	10,47	0,092	.....	−9.9809	+9.6710	1.0199	9.9309	....	....	.....	1327		
1249	134 20 38,4	10,45	0,243	−0,08	−9.9577	+9.5612	1.0189	9.9313	....	230	iv. 301	1320	634	
1250	120 54 58,8	10,43	0,297	+0,06	−9.9091	+9.4267	1.0182	9.9316	....	229	v. 297	1316	635	
1251	84 25 51,0	10,39	0,397	+0,01	−9.5427	−8.7014	1.0166	9.9321	553	228	ii. 446			
1252	43 29 13,1	10,38	0,534	−0,02	+9.5080	−9.5748	1.0164	9.9322	....	223	iii. 399	....	....	G 776
1253	66 18 38,9	10,37	0,446	−0,01	−8.7292	−9.3177	1.0160	9.9324	552	227	iii. 401			
1254	40 3 42,5	10,37	0,553	+0,06	+9.5748	−9.5975	1.0159	9.9324	549	224	iii. 400			
1255	147 31 39,0	10,37	0,159	−0,27	−9.9801	+9.6395	1.0156	9.9325	....	....	v. 301	1330	639	
1256	84 59 3,5	10,34	0,396	+0,09	−9.5532	−8.6541	1.0147	9.9328	555	235	iii. 402			
1257	68 19 56,2	10,34	0,441	+0,06	−8.9390	−9.2797	1.0146	9.9329	554	232	ii. 448	....	....	M 132
1258	146 53 53,1	10,31	0,164	−0,14	−9.9803	+9.6340	1.0131	9.9334	....	....	v. 303	1335	641	
1259	151 49 34,7	10,30	0,116	+0,31	−9.9829	+9.6558	1.0128	9.9335	....	....	v. 304	1338	642	J 83
1260	68 23 58,3	−10,29	+0,441	+0,10	−8.9425	−9.2764	−1.0126	+9.9336	556	236	ii. 449	....	....	M 133

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1261	Camelopardi.....	6	3 56 46,81	+5,020	+0,0646	.....	+8.8278	+9.0524	+0.7007	+8.7631
1262	41 Tauri	6	57 24,91	3,662	+0,0165	+0,006	8.5821	8.8094	0.5637	+8.2420
1263	Ursæ Minoris	6	57 30,91	12,389	+0,8763	.....	9.4426	9.6704	1.0930	+9.4394
1264	Persei	7½	57 35,31	3,959	+0,0242	+0,017	8.6323	8.8603	0.5976	+8.4184
1265	42 Tauri .....ψ	5½	57 44,78	3,698	+0,0174	+0,001	8.5867	8.8154	0.5680	+8.2666
1266	48 Persei .....*c*	5	57 47,46	4,319	+0,0355	+0,007	8.6988	8.9277	0.6353	+8.5651
1267*	Horologii	neb.	58 4,69	1,923	+0,0019	.....	8.6788	8.9090	0.2840	−8.5274
1268	49 Persei	6½	58 21,35	3,950	+0,0238	−0,005	8.6278	8.8592	0.5966	+8.4105
1269	50 Persei	5½	58 37,58	3,961	+0,0240	+0,019	8.6287	8.8613	0.5978	+8.4146
1270	Reticuli.....γ	5	58 44,36	0,846	+0,0187	−0,015	8.8637	9.0968	9.9274	−8.8120
1271	Reticuli.....ι	5	58 54,05	0,944	+0,0164	+0,042	8.8478	9.0816	9.9749	−8.7917
1272	Tauri	6	59 24,34	3,423	+0,0113	+0,005	8.5441	8.7800	0.5344	+8.0084
1273	Eridani.....	6	3 59 26,53	2,454	+0,0008	+0,015	8.5790	8.8152	0.3899	−8.2516
1274	43 Tauri .....ω¹	6	4 0 26,02	3,474	+0,0122	+0,010	8.5463	8.7868	0.5409	+8.0635
1275	Tauri	6½	0 39,45	3,338	+0,0096	+0,011	8.5320	8.7734	0.5235	+7.8840
1276	Camelopardi.....	6	1 12,11	9,976	+0,4890	.....	9.2992	9.5430	0.9989	+9.2931
1277	Reticuli	6	1 24,04	+1,109	+0,0125	.....	8.8111	9.0558	+0.0448	−8.7458
1278	Hydri	6	1 35,81	−0,422	+0,0621	−0,037	9.0182	9.2638	−9.6256	−8.9954
1279	44 Tauri.....*p*	6	1 42,42	+3,640	+0,0155	+0,003	8.5639	8.8100	+0.5611	+8.2071
1280	Camelopardi.....	6	1 46,33	7,642	+0,2359	.....	9.1251	9.3715	0.8832	+9.1115
1281	Tauri	7	2 30,39	3,410	+0,0107	+0,007	8.5323	8.7819	0.5328	+7.9792
1282	Persei	6	2 37,09	4,397	+0,0365	.....	8.6947	8.9447	0.6432	+8.5705
1283*	Doradûs	5½	2 37,54	1,680	+0,0039	−0,019	8.7064	8.9565	0.2253	−8.5908
1284	37 Eridani.....	5½	3 3,76	2,921	+0,0038	+0,003	8.5162	8.7683	0.4655	−7.6214
1285	45 Tauri	6	3 21,39	3,175	+0,0069	+0,012	8.5134	8.7668	0.5018	+7.4645
1286*	Camelopardi.....	6	3 41,53	5,220	+0,0696	−0,018	8.8314	9.0863	0.7177	+8.7752
1287	51 Persei .....μ	4½	3 54,02	4,370	+0,0352	+0,002	8.6845	8.9403	0.6405	+8.5557
1288	Horologii	6	3 55,71	1,849	+0,0024	−0,005	8.6700	8.9260	0.2669	−8.5289
1289*	Tauri	7	3 57,97	3,544	+0,0132	+0,002	8.5425	8.7986	0.5494	+8.1165
1290	38 Eridani.....o¹	4½	4 32,77	2,922	+0,0039	0,000	8.5111	8.7698	0.4657	−7.6111
1291	52 Persei .....*f*	5	4 41,49	4,057	+0,0254	+0,002	8.6235	8.8828	0.6082	+8.4324
1292	Camelopardi.....	6	4 44,76	4,908	+0,0551	.....	8.7765	9.0361	0.6909	+8.7024
1293*	Camelopardi.....	6	5 1,86	4,639	+0,0443	−0,009	8.7288	8.9897	0.6665	+8.6324
1294	Eridani.....	6	5 11,34	2,229	+0,0008	−0,010	8.5956	8.8572	0.3481	−8.3613
1295*	Tauri	7½	5 23,27	3,246	+0,0079	+0,007	8.5095	8.7720	0.5114	+7.6794
1296	46 Tauri	6	5 28,72	3,222	+0,0075	+0,001	8.5080	8.7708	0.5081	+7.6137
1297	Reticuli	6	5 45,20	0,592	+0,0240	+0,047	8.8718	9.1360	9.7723	−8.8279
1298	47 Tauri	5½	5 47,34	3,254	+0,0080	+0,003	8.5086	8.7728	0.5124	+7.6971
1299	Horologii .....δ	5	5 47,66	1,999	+0,0015	+0,028	8.6349	8.8992	0.3008	−8.4636
1300	Camelopardi.....	6	6 36,21	5,567	+0,0844	−0,013	8.8707	9.1387	0.7456	+8.8272
1301*	Persei .....δ¹	5	6 58,98	4,470	+0,0376	+0,011	8.6903	8.9600	0.6503	+8.5741
1302	48 Tauri	6	7 15,55	3,387	+0,0100	+0,010	8.5133	8.7842	0.5298	+7.9268
1303	39 Eridani.....A	5	7 15,73	2,849	+0,0031	+0,002	8.5057	8.7766	0.4548	−7.7717
1304	49 Tauri .....μ	5	7 23,51	3,247	+0,0077	+0,003	8.5025	8.7740	0.5115	+7.6728
1305	Persei	6	4 7 45,65	+4,124	+0,0265	.....	+8.6237	+8.8969	+0.6154	+8.4473

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1261	30 29 58,2	−10,27	+0,629	.....	+9.7159	−9.6447	−1.0116	+9.9340	....	....	.....	....	....	G 778
1262	62 48 29,2	10,22	0,459	+0,02	+7.8573	−9.3672	1.0096	9.9347	558	243	ii. 451			
1263	7 2 20,2	10,22	1,555	.....	+9.9036	−9.7037	1.0092	9.9348	....	....	.....	....	....	G 774
1264	52 19 33,0	10,21	0,497	+0,25	+9.2613	−9.4930	1.0090	9.9349	....	242	iv. 307	....	....	A 101
1265	61 24 31,5	10,20	0,464	−0,02	+8.4928	−9.3862	1.0085	9.9350	559	245	ii. 453	....	....	M 134
1266	42 41 36,7	10,19	0,542	+0,05	+9.5298	−9.5724	1.0084	9.9351	557	240	ii. 452			
1267	134 52 58,4	10,17	0,242	.....	−9.9617	+9.5538	1.0074	9.9354	....	....	.....	1339		
1268	52 40 15,9	10,15	0,497	+0,14	+9.2502	−9.4871	1.0065	9.9357	560	247	iii. 405			
1269	52 21 29,4	10,13	0,499	+0,20	+9.2636	−9.4893	1.0057	9.9360	561	248	iii. 406			
1270	152 34 42,5	10,12	0,107	−0,12	−9.9851	+9.6513	1.0053	9.9361	....	....	ii. 455	1357	653	J 84
1271	151 30 3,7	10,11	0,119	+0,16	−9.9850	+9.6465	1.0048	9.9363	....	....	v. 313	1355	654	
1272	73 3 54,9	10,07	0,432	+0,01	−9.2127	−9.1652	1.0031	9.9369	....	249	ii. 454	....	....	W 232
1273	118 3 54,0	10,07	0,310	−0,14	−9.8975	+9.3733	1.0030	9.9369	....	251	ii. 456	1344	649	W 233
1274	70 47 30,7	10,00	0,439	+0,06	−9.0955	−9.2147	0.9998	9.9380	562	252	ii. 457	....	....	M 135
1275	77 0 11,0	9,98	0,422	+0,04	−9.3574	−9.0488	0.9990	9.9383	....	254	ii. 458	....	....	W 235
1276	9 32 50,9	9,94	1,264	.....	+9.8947	−9.6889	0.9972	9.9388	....	....	.....	....	....	G 779
1277	149 21 53,9	9,92	+0,141	.....	−9.9863	+9.6291	0.9966	9.9391	....	....	v. 317	....	658	
1278	161 35 28,8	9,91	−0,054	+1,10	−9.9832	+9.6709	0.9959	9.9393	....	....	.....	1380	660	
1279	63 54 52,3	9,90	+0,462	0,00	−7.8692	−9.3365	0.9955	9.9394	563	256	ii. 459	....	....	M 136
1280	14 16 25,3	9,89	0,970	.....	+9.8669	−9.6795	0.9953	9.9395	....	....	.....	....	....	G 784
1281	73 44 52,0	9,84	0,433	−0,06	−9.2373	−9.1376	0.9929	9.9402	....	261	iii. 411			
1282	41 17 48,7	9,83	0,559	.....	+9.5664	−9.5661	0.9925	9.9404	....	....	.....	....	....	B.F 508
1283	140 1 55,3	9,83	0,214	−0,02	−9.9763	+9.5747	0.9925	9.9404	....	....	v. 319	1371	661	
1284	97 19 10,5	9,80	0,372	+0,03	−9.7337	+8.7940	0.9910	9.9408	567	3	iii. 412			
1285	84 52 23,6	9,77	0,404	+0,05	−9.5493	−8.6389	0.9900	9.9411	566	4	ii. 461			
1286	28 32 1,3	9,75	0,665	+0,01	+9.7486	−9.6304	0.9888	9.9415	....	260	iii. 413	....	....	B.H 282
1287	41 58 40,0	9,73	0,557	+0,06	+9.5561	−9.5571	0.9881	9.9417	564	1	ii. 462			
1288	136 15 48,4	9,73	0,236	+0,03	−9.9693	+9.5447	0.9880	9.9417	....	....	v. 322	1376	663	
1289	67 58 32,4	9,73	0,452	−0,05	−8.8710	−9.2597	0.9879	9.9418	....	6	ii. 463	....	....	W 238
1290	97 13 58,0	9,68	0,373	−0,06	−9.7330	+8.7837	0.9859	9.9424	568	11	ii. 464	....	....	J 85
1291	49 54 8,8	9,67	0,518	+0,07	+9.3661	−9.4922	0.9854	9.9425	565	8	iii. 414			
1292	32 31 13,2	9,67	0,627	.....	+9.7037	−9.6089	0.9852	9.9426	....	....	.....	....	....	G 795
1293	36 46 16,6	9,64	0,593	+0,06	+9.6460	−9.5857	0.9843	9.9429	....	7	iii. 415	....	....	B.H 270
1294	125 39 52,6	9,63	0,285	0,00	−9.9365	+9.4472	0.9837	9.9431	....	....	v. 324	1377	666	
1295	81 29 44,7	9,62	0,415	+0,05	−9.4763	−8.8507	0.9830	9.9433	569	13	iii. 417	....	....	B.F 518
1296	82 40 15,8	9,61	0,412	−0,01	−9.5030	−8.7862	0.9827	9.9434	570	14	ii. 465			
1297	154 38 58,9	9,59	0,076	+0,13	−9.9910	+9.6356	0.9817	9.9436	....	....	.....	1392	669	
1298	81 7 15,5	9,59	0,417	+0,08	−9.4672	−8.8679	0.9816	9.9437	571	17	ii. 466			
1299	132 23 14,5	9,59	0,256	−0,06	−9.9603	+9.5081	0.9816	9.9437	....	20	iii. 419	1382	668	
1300	25 14 1,6	9,52	0,715	+0,03	+9.7861	−9.6330	0.9788	9.9445	....	10	iii. 418	....	....	B.H 276
1301	40 4 47,0	9.49	0,574	+0,05	+9.5962	−9.5590	0.9774	9.9449	....	18	ii. 467	....	....	B.H 1137
1302	74 58 48,1	9.47	0,435	+0,05	−9.2804	−9.0878	0.9765	9.9452	572	21	ii. 468			
1303	100 37 57,8	9.47	0,366	+0,18	−9.7702	+8.9403	0.9765	9.9452	574	26	ii. 470	....	....	J 86
1304	81 29 14,2	9.46	0,418	+0,02	−9.4752	−8.8441	0.9760	9.9453	573	23	ii. 469			
1305	48 13 59,5	− 9.43	+0,531	.....	+9.4218	−9.4960	−0.9747	+9.9457	....	....	.....	....	....	G 804

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1306	Horologii	6	4 7 45,71	+1,901	+0,0021	+0,013	+8.6450	+8.9183	+0.2789	−8.4927
1307*	Persei	6½	7 58,36	4,461	+0,0369	.....	8.6847	8.9589	0.6495	+8.5669
1308	Eridani	6	8 5,97	2,375	+0,0009	−0,042	8.5598	8.8346	0.3757	−8.2652
1309*	40 Eridani ..... o^2	4½	8 22,16	2,907	+0,0037	−0,144	8.4983	8.7743	0.4634	−7.6359
1310	Horologii	6½	8 27,38	2,053	+0,0014	−0,003	8.6144	8.8908	0.3123	−8.4291
1311	50 Tauri ..... ω^1	5½	8 28,71	3,506	+0,0120	+0,001	8.5214	8.7979	0.5448	+8.0597
1312	Eridani	6	8 31,98	2,167	+0,0010	.....	8.5936	8.8704	0.3358	−8.3772
1313*	Camelopardi	6	8 47,05	5,150	+0,0630	+0,029	8.7987	9.0766	0.7118	+8.7378
1314*	Persei ..... b^2	6½	8 50,59	4,508	+0,0381	.....	8.6895	8.9676	0.6540	+8.5772
1315	Horologii ..... α	5	9 2,23	1,980	+0,0016	+0,012	8.6253	8.9044	0.2967	−8.4564
1316	51 Tauri	7	9 30,97	3,530	+0,0124	+0,012	8.5205	8.8018	0.5478	+8.0790
1317	Horologii	6	9 33,58	1,822	+0,0026	+0,016	8.6522	8.9337	0.2605	−8.5128
1318*	Camelopardi	6	9 41,08	+4,837	+0,0496	.....	8.7435	9.0255	+0.6846	+8.6628
1319*	Mensæ	6	9 43,12	−3,046	+0,2181	.....	9.2101	9.4923	−0.4837	−9.2021
1320	Persei	6	9 53,24	+4,117	+0,0258	−0,002	8.6139	8.8969	+0.6146	+8.4346
1321	53 Tauri	6½	10 35,91	3,521	+0,0121	+0,004	8.5153	8.8016	0.5467	+8.0652
1322	54 Persei	6	10 40,85	3,878	+0,0196	+0,002	8.5683	8.8550	0.5886	+8.3181
1323*	53 Persei ..... d	5½	10 43,01	4,307	+0,0310	+0,002	8.6450	8.9318	0.6341	+8.5029
1324	56 Tauri	6½	10 44,34	3,536	+0,0123	+0,005	8.5167	8.8036	0.5486	+8.0790
1325	Reticuli	6	10 47,15	1,139	+0,0110	+0,007	8.7661	9.0533	0.0566	−8.6965
1326	52 Tauri ..... φ	5	11 8,15	3,676	+0,0150	−0,003	8.5342	8.8230	0.5654	+8.1911
1327	Eridani	6	11 14,05	2,099	+0,0012	−0,001	8.5949	8.8841	0.3220	−8.3961
1328	54 Tauri ..... γ	3½	11 15,74	3,395	+0,0098	+0,012	8.4993	8.7887	0.5309	+7.9196
1329*	55 Tauri	7	11 20,02	3,415	+0,0101	+0,011	8.5009	8.7907	0.5334	+7.9454
1330	57 Tauri ..... h	5½	11 31,22	3,360	+0,0092	+0,011	8.4952	8.7858	0.5263	+7.8687
1331	Doradûs ..... γ	4	12 6,08	1,553	+0,0051	+0,003	8.6900	8.9833	0.1911	−8.5857
1332	58 Tauri	6	12 6,23	3,384	+0,0095	+0,010	8.4951	8.7884	0.5294	+7.9004
1333*	41 Eridani ..... v^4	3½	12 13,29	2,262	+0,0009	+0,002	8.5624	8.8563	0.3544	−8.3119
1334*	Eridani	6	12 14,17	2,557	+0,0013	.....	8.5171	8.8111	0.4077	−8.1149
1335	Tauri	6½	12 26,83	3,357	+0,0090	+0,013	8.4915	8.7864	0.5259	+7.8597
1336	Reticuli ..... α	3½	12 30,33	0,745	+0,0188	0,000	8.8198	9.1150	9.8721	−8.7691
1337	Tauri	7	12 41,13	3,521	+0,0118	+0,020	8.5073	8.8034	0.5467	+8.0553
1338	Tauri	7	12 45,20	3,525	+0,0119	+0,013	8.5075	8.8039	0.5471	+8.0584
1339	Persei	6½	13 10,06	4,149	+0,0259	+0,002	8.6060	8.9043	0.6179	+8.4321
1340	Eridani	6	13 26,53	2,503	+0,0012	+0,008	8.5197	8.8193	0.3985	−8.1519
1341	59 Tauri ..... χ	5½	13 27,66	3,635	+0,0139	+0,005	8.5192	8.8189	0.5605	+8.1495
1342	Tauri	7	13 33,73	3,517	+0,0116	+0,007	8.5034	8.8036	0.5461	+8.0469
1343	60 Tauri	6½	13 36,65	3,362	+0,0091	+0,010	8.4875	8.7879	0.5267	+7.8625
1344	Reticuli ..... ε	5	13 54,12	1,026	+0,0128	−0,018	8.7705	9.0723	0.0113	−8.7065
1345*	Reticuli	6	14 6,21	0,883	+0,0155	+0,007	8.7919	9.0946	9.9459	−8.7350
1346	61 Tauri ..... δ^1	4	14 17,35	3,441	+0,0103	+0,009	8.4922	8.7958	0.5367	+7.9627
1347*	Tauri	8	14 26,96	3,605	+0,0132	+0,010	8.5112	8.8156	0.5569	+8.1214
1348	Horologii	5	14 32,37	1,888	+0,0022	+0,019	8.6191	8.9239	0.2760	−8.4658
1349	55 Persei	6	14 45,69	3,872	+0,0187	+0,003	8.5508	8.8567	0.5880	+8.2959
1350	63 Tauri	6	4 14 48,95	+3,424	+0,0099	+0,010	+8.4884	+8.7946	+0.5345	+7.9398

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
1306	134 45 16,2	−9,43	+0,245	+0,10	−9.9683	+9.5201	−0.9747	+9.9457	....	30	iii. 422	1390	671	
1307	40 19 20,8	9,42	0,575	.....	+9.5936	−9.5539	0.9739	9.9459	....	....	.....	....	....	B.F 517
1308	120 29 29,2	9,41	0,306	−0,84	−9.9149	+9.3766	0.9735	9.9460	....	....	v. 326	1388	670	
1309	97 53 23,5	9,39	0,375	+3,45	−9.7413	+8.8079	0.9725	9.9463	578	29	ii. 472	....	....	J 87
1310	130 44 22,2	9,38	0,265	−0,43	−9.9569	+9.4846	0.9722	9.9464	....	....	v. 327	1394	672	
1311	69 47 44,3	9,38	0,452	+0,06	−9.0086	−9.2082	0.9721	9.9464	575	27	ii. 471	....	....	M 137
1312	127 24 39,4	9,37	0,279	.....	−9.9454	+9.4533	0.9719	9.9465	....	....	v. 328	....	673	
1313	29 37 40,4	9,36	0,664	+0,07	+9.7438	−9.6080	0.9710	9.9467	....	22	iii. 423	....	....	B.H 281
1314	39 27 0,1	9,35	0,582	.....	+9.6100	−9.5563	0.9708	9.9468	....	....	.....	....	....	B.F 521
1315	132 39 57,2	9,34	0,256	+0,15	−9.9633	+9.4989	0.9701	9.9470	....	34	ii. 474	1398	674	J 88
1316	68 47 29,2	9,30	0,456	0,00	−8.9248	−9.2246	0.9684	9.9475	576	32	ii. 473			
1317	136 30 28,3	9,29	0,235	+0,12	−9.9739	+9.5266	0.9682	9.9475	....	....	v. 329	1402	675	
1318	33 51 38,5	9,29	+0,625	.....	+9.6939	−9.5849	0.9678	9.9476	....	....	.....	....	....	B.F 522
1319	169 2 4,0	9,28	−0,394	+0,51	−9.9790	+9.6574	0.9677	9.9477	....	....	.....	1444	679	
1320	48 33 33,4	9,27	+0,533	−0,04	+9.4176	−9.4856	0.9670	9.9478	....	31	iii. 424	....	....	G 814
1321	69 13 29,2	9,21	0,456	+0,02	−8.9571	−9.2121	0.9644	9.9485	580	36	ii. 475			
1322	55 48 4,3	9,21	0,502	+0,04	+9.1474	−9.4117	0.9641	9.9486	579	35	iii. 426			
1323	43 51 54,5	9,21	0,558	+0,05	+9.5312	−9.5197	0.9640	9.9486	577	33	iii. 425			
1324	68 35 32,2	9,20	0,458	+0,01	−8.9015	−9.2240	0.9639	9.9487	581	37	ii. 476			
1325	148 24 7,2	9,20	0,148	−0,04	−9.9931	+9.5918	0.9638	9.9487	....	....	v. 330	1413	677	
1326	63 0 44,3	9,17	0,477	+0,04	+8.2279	−9.3171	0.9625	9.9490	582	38	ii. 477	....	....	M 138
1327	129 15 17,0	9,16	0,272	−0,02	−9.9537	+9.4611	0.9621	9.9491	....	....	v. 331	1408	678	
1328	74 44 20,8	9,16	0,441	+0,02	9.2662	−9.0801	0.9620	9.9492	583	39	ii. 478	....	....	M 139
1329	73 50 34,6	9,16	0,443	+0,03	9.2284	−9.1040	0.9617	9.9492	584	40	iii. 427			
1330	76 19 51,3	9,14	0,436	+0,01	9.3251	−9.0323	0.9611	9.9494	585	41	ii. 479	....	....	M 140
1331	141 52 0,4	9,10	0,202	−0,24	9.9863	+9.5524	0.9589	9.9500	....	....	v. 333	1417	682	J 90
1332	75 16 9,7	9,10	0,440	+0,05	9.2858	−9.0620	0.9589	9.9500	586	43	ii. 480	....	....	M 141
1333	124 10 3,6	9,09	0,294	+0,02	9.9344	+9.4057	0.9584	9.9501	590	50	ii. 482	1411	681	J 89
1334	113 19 55,6	9,09	0,332	.....	9.8760	+9.2539	0.9584	9.9501	....	....	.....	1409		
1335	76 29 54,2	9,07	0,437	+0,02	9.3300	−9.0236	0.9576	9.9503	587	45	ii. 481	....	....	M 142
1336	152 51 4,2	9,07	0,097	+0,03	9.9964	+9.6045	0.9574	9.9504	....	....	ii. 485	1423	683	J 91
1337	69 19 16,9	9,05	0,458	+0,08	8.9586	−9.2024	0.9567	9.9505	....	47	iii. 428			
1338	69 10 25,1	9,05	0,459	−0,07	−8.9460	−9.2051	0.9565	9.9506	....	48	iii. 429			
1339	47 55 43,2	9,01	0,541	−0,03	+9.4417	−9.4788	0.9549	9.9510	....	46	iii. 431	....	....	G 824
1340	115 23 22,4	8,99	0,326	+0,01	−9.8894	+9.2839	0.9539	9.9513	....	56	iii. 432	1415	684	
1341	64 43 47,1	8,99	0,474	+0,04	8.0334	−9.2819	0.9538	9.9513	588	51	ii. 484	....	....	M 143
1342	69 32 23,4	8,98	0,459	+0,15	8.9736	−9.1947	0.9534	9.9514	....	53	ii. 486	....	....	W 247
1343	76 16 53,3	8,98	0,439	+0,01	9.3212	−9.0260	0.9532	9.9514	589	54	ii. 487	....	....	M 144
1344	149 39 53,9	8,96	0,134	+0,38	9.9963	+9.5860	0.9521	9.9517	....	....	ii. 489	1428	685	J 92
1345	151 19 7,6	8,94	0,115	+0,11	9.9972	+9.5923	0.9514	9.9519	....	....	v. 334	1430	686	
1346	72 48 49,7	8,93	0,449	+0,02	9.1761	−9.1190	0.9507	9.9521	594	57	ii. 488	....	....	M 145
1347	65 56 56,1	8,91	0,471	.....	8.4942	−9.2580	0.9500	9.9522	592	....	.....	....	....	Airy (G)
1348	134 37 48,9	8,91	0,247	+0,09	−9.9723	+9.4941	0.9497	9.9523	....	65	iv. 322	1424	687	
1349	56 13 19,8	8,89	0,506	+0,05	+9.1389	−9.3917	0.9488	9.9525	591	58	iii. 434			
1350	73 34 35,6	−8,88	+0,448	−0,01	−9.2117	−9.0978	−0.9486	+9.9526	596	62	ii. 490	....	....	M 146

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1351*	Tauri	6½	4 14 52,74	+3,421	+0,0099	.....	+8.4878	+8.7943	+0.5341	+7.9354
1352	56 Persei	6½	14 54,61	3,867	+0,0185	+0,007	8.5494	8.8560	0.5874	+8.2925
1353	62 Tauri	7	14 57,46	3,603	+0,0131	+0,004	8.5089	8.8157	0.5567	+8.1173
1354	Doradûs	6	14 58,30	1,466	+0,0060	−0,003	8.6926	8.9994	0.1662	−8.5962
1355	Eridani.....	6	15 17,77	2,483	+0,0012	+0,001	8.5151	8.8236	0.3950	−8.1583
1356	64 Tauri ..... δ^2	4½	15 27,20	3,440	+0,0101	+0,011	8.4875	8.7967	0.5365	+7.9557
1357*	66 Tauri ..... τ	5½	15 41,59	3,263	+0,0075	+0,003	8.4725	8.7828	0.5136	+7.6719
1358	Reticuli..... θ	5	16 0,90	0,648	+0,0203	+0,035	8.8180	9.1299	9.8114	−8.7702
1359	Reticuli.....	6	16 5,67	0,232	+0,0314	.....	8.8744	9.1866	9.3662	−8.8386
1360	42 Eridani..... ξ	6	16 12,91	2,985	+0,0042	0,000	8.4660	8.7789	0.4749	−7.3199
1361*	Tauri	6	16 13,11	3,477	+0,0107	.....	8.4884	8.8013	0.5413	+7.9943
1362	65 Tauri ..... κ^1	5½	16 25,87	3,555	+0,0120	+0,004	8.4967	8.8106	0.5509	+8.0693
1363	67 Tauri ..... κ^2	6½	16 29,25	3,553	+0,0119	+0,010	8.4962	8.8104	0.5506	+8.0671
1364	Tauri	6½	16 33,83	3,796	+0,0167	+0,008	8.5309	8.8455	0.5794	+8.2440
1365	68 Tauri ..... δ^3	5	16 49,03	3,452	+0,0102	+0,012	8.4833	8.7991	0.5381	+7.9634
1366	70 Tauri	7	17 3,91	3,407	+0,0095	+0,009	8.4779	8.7948	0.5323	+7.9073
1367	69 Tauri ..... υ^1	5	17 20,21	3,569	+0,0121	+0,010	8.4948	8.8131	0.5526	+8.0771
1368	Eridani	5½	17 37,51	2,198	+0,0010	+0,002	8.5509	8.8705	0.3420	−8.3190
1369	71 Tauri	5½	17 48,34	3,400	+0,0093	+0,010	8.4743	8.7948	0.5315	+7.8949
1370	73 Tauri ..... π	5	18 8,11	3,380	+0,0090	0,000	8.4712	8.7933	0.5289	+7.8659
1371	72 Tauri ..... υ^2	6	18 19,63	3,575	+0,0121	+0,004	8.4915	8.8146	0.5532	+8.0771
1372	43 Eridani..... υ^5	4	18 24,35	2,245	+0,0010	+0,009	8.5396	8.8631	0.3511	−8.2913
1373	Tauri	7	19 6,99	3,542	+0,0115	+0,013	8.4841	8.8111	0.5492	+8.0440
1374	Eridani.....	6	19 26,34	2,220	+0,0011	+0,065	8.5393	8.8679	0.3464	−8.2990
1375	Cæli	6	19 50,15	1,772	+0,0029	+0,009	8.6167	8.9472	0.2485	−8.4807
1376	74 Tauri ..... ε	3½	19 51,74	3,484	+0,0105	+0,010	8.4743	8.8050	0.5421	+7.9835
1377	75 Tauri	6	19 52,15	3,418	+0,0094	+0,003	8.4676	8.7983	0.5338	+7.9085
1378	76 Tauri	7	19 53,89	3,382	+0,0089	+0,012	8.4641	8.7950	0.5291	+7.8599
1379	Camelopardi.....	8½	19 59,18	10,111	+0,4145	−0,022	9.2204	9.5517	1.0048	+9.2141
1380*	77 Tauri ..... θ^1	4½	20 0,48	3,410	+0,0093	+0,003	8.4662	8.7976	0.5327	+7.8965
1381*	78 Tauri ..... θ^2	4½	20 6,19	3,408	+0,0093	+0,012	8.4656	8.7974	0.5324	+7.8934
1382	1 Camelopardi.....	6	20 10,31	4,713	+0,0403	+0,006	8.6756	9.0078	0.6733	+8.5812
1383	Reticuli..... η	5	20 16,91	0,613	+0,0203	+0,006	8.8029	9.1356	9.7873	−8.7556
1384	79 Tauri ..... b	6	20 26,26	3,344	+0,0083	+0,011	8.4589	8.7924	0.5243	+7.8013
1385	Horologii	6	20 36,63	1,878	+0,0022	+0,005	8.5942	8.9285	0.2737	−8.4399
1386	44 Eridani.....	5½	20 47,19	3,093	+0,0052	+0,006	8.4467	8.7820	0.4903	+6.7075
1387	Doradûs	6	21 17,28	1,170	+0,0096	−0,001	8.7134	9.0511	0.0681	−8.6390
1388	Tauri	7	21 30,36	3,501	+0,0105	+0,005	8.4694	8.8082	0.5442	+7.9931
1389	Cæli	6	21 34,31	2,019	+0,0015	−0,009	8.5648	8.9039	0.3051	−8.3806
1390	80 Tauri	6	21 35,65	3,403	+0,0091	+0,008	8.4590	8.7983	0.5319	+7.8805
1391*	Tauri	5½	21 58,79	3,416	+0,0092	+0,011	8.4586	8.7998	0.5336	+7.8953
1392	81 Tauri	5½	22 5,94	3,405	+0,0091	+0,013	8.4570	8.7988	0.5321	+7.8801
1393	83 Tauri	6	22 10,95	3,360	+0,0084	+0,010	8.4529	8.7951	0.5264	+7.8177
1394*	Tauri	7	22 12,23	3,416	+0,0092	+0,008	8.4576	8.7999	0.5335	+7.8932
1395	84 Tauri	7	4 22 36,69	+3,392	+0,0088	+0,005	+8.4537	+8.7981	+0.5305	+7.8603

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1351	73 43 29,1	−8,88	+0,447	.....	−9.2183	−9.0937	−0.9484	+9.9526	....	....	.....	....	....	M 153?
1352	56 23 28,5	8,88	0,506	+0,08	+9.1300	−9.3892	0.9483	9.9527	593	60	iii. 436			
1353	66 3 10,3	8,87	0,471	+0,01	−8.5132	−9.2543	0.9481	9.9527	595	63	ii. 491			
1354	143 13 39,1	8,87	0,192	+0,24	9.9904	+9.5495	0.9480	9.9527	....	....	v. 338	1429	691	
1355	116 5 7,8	8,85	0,325	+0,14	9.8945	+9.2877	0.9468	9.9530	....	68	ii. 493	1422	690	
1356	72 54 26,8	8,83	0,450	0,00	9.1787	−9.1122	0.9462	9.9532	597	64	ii. 492	....	....	M 147
1357	80 53 35,2	8,82	0,428	+0,05	9.4568	−8.8425	0.9453	9.9534	598	66	ii. 494			
1358	153 37 10,4	8,79	0,085	−0,24	9.9991	+9.5940	0.9440	9.9537	....	....	ii. 500	1443	695	J 93
1359	157 2 54,5	8,78	0,031	.....	9.9987	+9.6057	0.9437	9.9538	....	....	.....	....	696	
1360	94 5 45,9	8,77	0,391	+0,04	9.6964	+8.4949	0.9432	9.9539	602	72	ii. 495			
1361	71 18 25,4	8,77	0,456	.....	9.0896	−9.1468	0.9432	9.9539	....	....	.....	....	....	B.F 548
1362	68 3 13,9	8,76	0,466	+0,05	8.8215	−9.2127	0.9424	9.9541	599	70	ii. 496			
1363	68 8 49,3	8,75	0,466	+0,02	−8.8319	−9.2108	0.9422	9.9541	600	71	ii. 498			
1364	58 54 16,7	8,75	0,498	+0,12	+8.9694	−9.3527	0.9419	9.9542	....	69	ii. 497	....	....	B.H 1160
1365	72 25 9,1	8,73	0,453	−0,01	−9.1514	−9.1187	0.9409	9.9544	601	73	ii. 499	....	....	M 148
1366	74 24 24,8	8,71	0,448	+0,02	9.2453	−9.0671	0.9399	9.9546	603	74	ii. 501			
1367	67 31 51,2	8,69	0,469	+0,03	8.7521	−9.2189	0.9388	9.9549	604	75	ii. 502	....	....	M 149
1368	125 53 50,8	8,66	0,289	+0,01	9.9446	+9.4036	0.9377	9.9552	....	81	iii. 439	1438	697	
1369	74 43 39,7	8,65	0,447	+0,04	9.2577	−9.0554	0.9370	9.9553	605	78	ii. 503	....	....	M 150
1370	75 37 48,5	8,62	0,445	+0,03	9.2929	−9.0282	0.9357	9.9556	608	79	ii. 504	....	....	M 152
1371	67 20 45,8	8,61	0,471	−0,01	8.7210	−9.2183	0.9349	9.9558	606	80	ii. 505	....	....	M 151
1372	124 22 7,1	8,60	0,296	+0,01	9.9386	+9.3841	0.9346	9.9559	....	85	ii. 506	1441	699	J 94
1373	68 43 4,2	8,55	0,467	−0,04	8.8808	−9.1894	0.9317	9.9565	....	82	iv. 325			
1374	125 6 0,8	8,52	0,293	+0,19	9.9423	+9.3879	0.9304	9.9568	....	92	iii. 441	1447	701	
1375	136 59 26,8	8,49	0,234	+0,12	9.9816	+9.4907	0.9288	9.9571	....	....	v. 342	1454	704	
1376	71 9 25,0	8,49	0,460	+0,02	9.0723	−9.1357	0.9287	9.9572	609	87	ii. 507	....	....	M 154
1377	73 58 47,5	8,49	0,452	−0,04	9.2227	−9.0674	0.9287	9.9572	610	88	ii. 508			
1378	75 35 53,2	8,48	0,447	+0,06	−9.2898	−9.0221	0.9286	9.9572	611	89	ii. 509	....	....	M 155
1379	9 45 56,8	8,48	1,336	+0,09	+9.9136	−9.6197	0.9282	9.9573	....	59	iv. 324			
1380	74 22 30,8	8,48	0,451	+0,01	−9.2401	−9.0562	0.9281	9.9573	612	90	ii. 510	....	....	M 156
1381	74 27 59,2	8,47	0,451	+0,01	−9.2438	−9.0534	0.9278	9.9574	613	91	ii. 511	....	....	M 157
1382	36 25 18,9	8,46	0,623	+0,01	+9.6738	−9.5309	0.9275	9.9574	607	84	iii. 442			
1383	153 44 34,4	8,45	0,081	−0,34	−0.0223	+9.5775	0.9270	9.9575	....	....	ii. 514	1473	707	J 95
1384	77 17 21,1	8,44	0,442	+0,01	9.3497	−8.9666	0.9264	9.9577	614	93	ii. 512			
1385	134 30 26,8	8,43	0,249	−0,03	9.9757	+9.4692	0.9257	9.9578	....	98	iii. 443	1458	706	
1386	88 57 19,8	8,41	0,409	−0,01	9.6206	−7.8835	0.9250	9.9580	615	94	ii. 513			
1387	147 24 52,9	8,37	0,155	+0,51	9.9997	+9.5463	0.9229	9.9584	....	....	v. 346	1475	713	
1388	70 29 29,2	8,36	0,464	+0,07	9.0228	−9.1435	0.9220	9.9586	....	95	iii. 444	....	....	M 158
1389	130 52 8,9	8,35	0,268	−0,14	9.9653	+9.4353	0.9217	9.9587	....	....	v. 347	1464	712	
1390	74 41 42,9	8,35	0,451	+0,03	9.2519	−9.0409	0.9216	9.9587	617	97	ii. 515	....	....	M 159
1391	74 8 11,8	8,32	0,453	+0,01	9.2271	−9.0545	0.9200	9.9590	619	99	iii. 445	....	....	B.F 570
1392	74 38 21,6	8,31	0,452	+0,03	9.2490	−9.0404	0.9195	9.9591	620	100	ii. 517	....	....	M 161
1393	76 36 21,9	8,30	0,446	+0,02	9.3249	−8.9818	0.9192	9.9592	621	103	ii. 518			
1394	74 10 38,1	8,30	0,454	−0,12	9.2287	−9.0525	0.9191	9.9592	....	102	iii. 447	....	....	B.F 573
1395	75 13 27,6	−8,27	+0,451	+0,09	−9.2723	−9.0218	−0.9174	+9.9596	622	105	ii. 519			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1396	Cæli	6	4 22 41,53	+1,752	+0,0030	−0,001	+8.6072	+8.9520	+0.2434	−8.4733
1397*	Persei	6½	22 52,38	4,196	+0,0245	+0,040	8.5718	8.9175	0.6228	+8.4032
1398	57 Persei .....*m*	6	22 52,45	4,197	+0,0245	+0,004	8.5720	8.9177	0.6229	+8.4037
1399	Camelopardi.....	8	22 55,55	10,241	+0,4142	−0,030	9.2135	9.5595	1.0103	+9.2074
1400	Reticuli.....	6	23 1,63	0,818	+0,0155	+0,007	8.7598	9.1063	9.9128	−8.7040
1401	Cæli	6	23 14,64	1,961	+0,0018	−0,025	8.5674	8.9150	0.2925	−8.3954
1402	85 Tauri.....	6	23 17,91	3,409	+0,0090	+0,007	8.4523	8.8002	0.5327	+7.8799
1403	45 Eridani.....	6	24 12,35	3,063	+0,0047	0,000	8.4324	8.7848	0.4861	−6.2441
1404	Eridani.....	6	24 30,85	2,343	+0,0010	+0,021	8.4969	8.8510	0.3697	−8.2059
1405	Cæli	6	24 54,45	1,766	+0,0029	+0,023	8.5943	8.9504	0.2469	−8.4573
1406*	Tauri	7	25 3,38	3,422	+0,0090	+0,002	8.4459	8.8027	0.5342	+7.8863
1407	Eridani.....	6	25 12,36	2,182	+0,0011	−0,008	8.5200	8.8776	0.3388	−8.2890
1408	Tauri	7	25 15,34	3,739	+0,0142	+0,011	8.4845	8.8424	0.5728	+8.1652
1409	86 Tauri .....*p*	5	25 20,61	3,388	+0,0085	+0,014	8.4416	8.7999	0.5299	+7.8409
1410	Tauri	7	25 22,27	3,352	+0,0080	+0,035	8.4385	8.7970	0.5253	+7.7883
1411	Cæli	6	25 54,54	1,986	+0,0017	+0,004	8.5505	8.9118	0.2980	−8.3718
1412*	Reticuli.....	6	26 0,22	0,679	+0,0177	.....	8.7655	9.1272	9.8316	−8.7148
1413	Cæli .....*δ*	5	26 14,77	1,832	+0,0024	+0,009	8.5762	8.9391	0.2629	−8.4277
1414	58 Persei.....*e*	5½	26 18,54	4,135	+0,0222	+0,002	8.5452	8.9085	0.6165	+8.3617
1415*	Camelopardi.....	8	26 36,13	4,913	+0,0438	.....	8.6781	9.0430	0.6914	+8.5984
1416	46 Eridani.....	6	26 36,35	2,919	+0,0034	+0,005	8.4253	8.7901	0.4652	−7.5147
1417	Tauri	7	26 55,25	3,507	+0,0101	−0,006	8.4464	8.8129	0.5450	+7.9713
1418	Eridani.....	6	26 56,38	2,916	+0,0034	+0,002	8.4239	8.7905	0.4649	−7.5192
1419	47 Eridani.....	5	26 58,45	2,886	+0,0031	+0,002	8.4252	8.7920	0.4603	−7.5974
1420	87 Tauri .....*α*	1	27 19,11	3,428	+0,0089	+0,008	8.4364	8.8050	0.5350	+7.8821
1421	88 Tauri .....*d*	5	27 24,85	3,284	+0,0070	+0,001	8.4248	8.7939	0.5164	+7.6580
1422*	50 Eridani .....υ^6	4½	27 37,56	2,358	+0,0011	−0,007	8.4803	8.8504	0.3726	−8.1802
1423*	Eridani.....	6	28 2,92	2,395	+0,0011	−0,009	8.4728	8.8452	0.3793	−8.1551
1424	2 Camelopardi.....	5½	28 5,93	4,714	+0,0369	+0,007	8.6376	9.0103	0.6734	+8.5409
1425	3 Camelopardi.....	6	28 6,35	+4,691	+0,0362	−0,005	8.6336	9.0063	+0.6713	+8.5346
1426	Mensæ .....*δ*	6	28 10,75	−4,334	+0,2723	−0,062	9.2001	9.5732	−0.6369	−9.1942
1427*	Eridani.....	7	28 32,41	+2,986	+0,0039	−0,009	8.4144	8.7894	+0.4751	−7.2496
1428	Camelopardi.....	6	28 44,83	7,891	+0,1920	+0,051	9.0185	9.3946	0.8971	+9.0047
1429	48 Eridani .....*ν*	4	28 49,69	2,992	+0,0040	+0,002	8.4130	8.7895	0.4759	−7.2184
1430	Reticuli.....	6	29 2,57	0,927	+0,0125	−0,009	8.7133	9.0909	9.9673	−8.6512
1431	49 Eridani.....	6	29 30,13	3,086	+0,0047	+0,003	8.4091	8.7892	0.4893	+6.4899
1432	89 Tauri	7	29 34,71	3,418	+0,0086	+0,012	8.4252	8.8058	0.5338	+7.8583
1433	52 Eridani .....υ^7	3½	29 43,40	2,333	+0,0011	0,000	8.4744	8.8557	0.3678	−8.1846
1434*	90 Tauri .....c^1	5	29 46,75	3,338	+0,0075	+0,012	8.4177	8.7993	0.5235	+7.7428
1435	51 Eridani..... *c*	5½	30 3,41	3,011	+0,0041	+0,009	8.4070	8.7901	0.4787	−7.0923
1436	91 Tauri .....σ^1	5½	30 35,68	3,414	+0,0084	+0,006	8.4201	8.8061	0.5332	+7.8470
1437	92 Tauri .....σ^2	5½	30 42,03	3,416	+0,0084	+0,010	8.4199	8.8064	0.5336	+7.8499
1438	Doradûs .....*α*	3	30 45,81	1,281	+0,0073	+0,008	8.6485	9.0354	0.1074	−8.5638
1439	Eridani.....	6	31 1,71	2,326	+0,0011	−0,004	8.4691	8.8574	0.3667	−8.1812
1440	Eridani.....	6	4 31 15,19	+2,334	+0,0011	+0,002	+8.4667	+8.8562	+0.3682	−8.1752

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1396	137 16 28,6	−8,26	+0,233	+0,66	−9.9840	+9.4809	−0.9171	+9.9596	....	....	v. 349	1479	714	
1397	47 17 27,8	8,25	0,558	+0,04	+9.4763	−9.4455	0.9163	9.9598	616	101	iii. 448	....	....	G 839
1398	47 15 43,5	8,25	0,558	0,00	+9.4770	−9.4457	0.9163	9.9598	618	104	iii. 449			
1399	9 38 49,9	8,24	1,362	+0,12	+9.9170	−9.6077	0.9161	9.9598	....	77	iv. 327	....	....	B.H 469
1400	151 34 41,7	8,24	0,109	−0,08	−0.0036	+9.5577	0.9157	9.9599	....	....	v. 351	1496	718	
1401	132 17 40,7	8,22	0,261	+0,21	−9.9708	+9.4405	0.9147	9.9601	....	....	v. 352	1484	717	
1402	74 28 32,9	8,21	0,454	+0,06	−9.2403	−9.0399	0.9145	9.9601	623	108	ii. 520			
1403	90 22 16,8	8,14	0,408	+0,07	−9.6434	+7.4201	0.9107	9.9609	624	110	ii. 521			
1404	120 46 23,7	8,12	0,312	+0,05	−9.9247	+9.3161	0.9093	9.9612	....	115	iii. 451	1488	720	
1405	136 50 43,5	8,08	0,236	−0,16	−9.9843	+9.4685	0.9077	9.9615	....	....	v. 354	1498	722	
1406	73 59 49,3	8,07	0,457	+0,03	−9.2170	−9.0452	0.9070	9.9616	625	113	iii. 452	....	....	M 163
1407	125 58 52,6	8,06	0,291	0,00	−9.9490	+9.3732	0.9064	9.9617	....	118	iii. 454	1495	723	
1408	61 21 28,2	8,06	0,499	+0,09	+8.7642	−9.2846	0.9062	9.9618	....	111	ii. 522	....	....	W 264
1409	75 28 32,5	8,05	0,453	+0,03	−9.2797	−9.0029	0.9058	9.9619	627	114	ii. 523	....	....	M 164
1410	77 4 8,0	8,05	0,448	+0,10	−9.3385	−8.9533	0.9057	9.9619	....	116	iii. 453			
1411	131 29 54,8	8,00	0,266	+0,04	−9.9697	+9.4224	0.9033	9.9623	....	124	iii. 456	1508	726	
1412	152 51 37,6	8,00	0,091	.....	−0.0061	+9.5500	0.9029	9.9624	....	....	.....	1523		
1413	135 16 41,7	7,98	0,245	−0,10	−9.9811	+9.4512	0.9018	9.9626	....	129	iii. 457	1512	727	J 96
1414	49 2 56,0	7,97	0,553	+0,01	+9.4371	−9.4159	0.9016	9.9627	626	117	iii. 455			
1415	33 40 17,4	7,95	0,658	.....	+9.7189	−9.5183	0.9003	9.9629	....	....	.....	....	....	G 847
1416	97 3 28,5	7,95	0,391	+0,04	−9.7352	+8.6875	0.9003	9.9629	631	121	ii. 524			
1417	70 25 59,3	7,92	0,470	+0,04	−9.0052	−9.1216	0.8989	9.9632	....	120	iii. 458	....	....	M 166
1418	97 9 14,6	7,92	0,391	+0,06	−9.7364	+8.6919	0.8988	9.9632	633	....	ii. 526			
1419	98 32 56,6	7,92	0,387	0,00	−9.7526	+8.7686	0.8987	9.9632	634	126	ii. 527	....	....	J 97
1420	73 47 47,0	7,89	0,460	+0,15	−9.2047	−9.0406	0.8971	9.9635	630	125	ii. 528	....	730	M 167
1421	80 9 4,7	7,88	0,440	+0,05	−9.4319	−8.8276	0.8967	9.9636	632	128	ii. 529			
1422	120 4 20,5	7,87	0,316	+0,23	−9.9224	+9.2935	0.8958	9.9637	636	130	iii. 462	1513	732	
1423	118 45 47,2	7,83	0,322	+0,01	−9.9156	+9.2740	0.8939	9.9641	....	132	iii. 463	1516	735	
1424	36 49 44,0	7,83	0,633	+0,09	+9.6783	−9.4948	0.8937	9.9641	628	122	iii. 460			
1425	37 13 34,0	7,83	+0,630	+0,03	+9.6727	−9.4925	0.8936	9.9641	629	123	iii. 461			
1426	170 33 34,8	7,82	−0,582	0,08	−9.9910	+9.5852	0.8933	9.9642	....	....	.....	1579	743	
1427	93 55 23,0	7,79	+0,401	.....	−9.6954	+8.4246	0.8917	9.9645	635					
1428	14 20 32,9	7,78	1,061	+0,10	+9.8952	−9.5748	0.8908	9.9646	....	112	iii. 459	....	....	G 848
1429	93 39 46,8	7,77	0,402	0,00	−9.6920	+8.3936	0.8904	9.9647	637	133	ii. 530	....	....	J 98
1430	150 5 7,8	7,75	0,125	−0,22	0.0068	+9.5251	0.8894	9.9649	....	....	v. 358	1535	739	
1431	89 18 34,8	7,72	0,415	+0,02	9.6261	−7.6660	0.8873	9.9652	640	137	ii. 532			
1432	74 16 19,1	7,71	0,460	0,00	9.2240	−9.0178	0.8870	9.9653	638	135	ii. 531	....	....	M 168
1433	120 52 22,9	7,70	0,314	+0,03	9.9275	+9.2943	0.8863	9.9654	645	144	ii. 534	1529	740	J 99
1434	77 47 39,8	7,69	0,450	+0,01	9.3597	−8.9090	0.8861	9.9654	639	138	ii. 533			
1435	92 46 36,7	7,67	0,406	+0,04	9.6797	+8.2679	0.8848	9.9657	642	140	ii. 535			
1436	74 30 3,4	7,63	0,460	+0,08	9.2330	−9.0070	0.8823	9.9661	641	143	ii. 536	....	....	M 169
1437	74 23 3,3	7,62	0,461	+0,01	9.2276	−9.0097	0.8818	9.9662	643	145	ii. 537	....	....	M 170
1438	145 21 25,4	7,61	0,173	0,00	0.0034	+9.4946	0.8816	9.9662	....	....	v. 359	1539	744	J 100
1439	121 1 26,7	7,59	0,314	+0,08	9.9289	+9.2902	0.8803	9.9664	....	151	iv. 335	1533	742	
1440	120 44 13,8	−7,57	+0,315	+0,10	−9.9275	+9.2856	−0.8793	+9.9666	....	153	iii. 468	1534		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1441	53 Eridani	4	4 31 18,87	+2,748	+0,0023	−0,002	+8.4150	+8.8048	+0.4390	−7.8165
1442	93 Tauri ..... c^2	5	31 42,57	3,332	+0,0073	+0,004	8.4083	8.8003	0.5227	+7.7226
1443*	Eridani	6½	31 54,29	2,798	+0,0025	+0,010	8.4082	8.8013	0.4468	−7.7409
1444	Tauri	6½	31 56,75	3,739	+0,0131	+0,007	8.4531	8.8464	0.5727	+8.1292
1445*	59 Persei	6	32 16,41	4,230	+0,0228	+0,007	8.5326	8.9277	0.6264	+8.3670
1446	Eridani	6	32 25,87	2,746	+0,0022	+0,009	8.4098	8.8058	0.4387	−7.8129
1447	Cæli	6	32 26,13	1,947	+0,0018	−0,003	8.5256	8.9216	0.2893	−8.3526
1448	Camelopardi.....	6	32 29,28	10,841	+0,4268	.....	9.1975	9.5937	1.0351	+9.1920
1449	94 Tauri ..... τ	5	33 14,83	3,589	+0,0106	+0,003	8.4265	8.8269	0.5550	+8.0123
1450	Eridani	6	33 52,59	2,497	+0,0013	−0,002	8.4305	8.8345	0.3973	−8.0529
1451	54 Eridani	4	33 53,01	2,619	+0,0016	+0,004	8.4155	8.8194	0.4181	−7.9488
1452	Aurigæ	6½	34 6,96	3,866	+0,0150	+0,005	8.4618	8.8670	0.5872	+8.1929
1453	95 Tauri	7	34 9,24	+3,619	+0,0110	+0,004	8.4258	8.8313	+0.5586	+8.0317
1454	Mensæ	5½	34 16,99	−5,695	+0,3662	−0,203	9.2387	9.6449	−0.7555	−9.2344
1455	Pictoris.....	6	35 20,88	+1,477	+0,0049	−0,054	8.5918	9.0039	+0.1692	−8.4881
1456	4 Camelopardi.....	5	35 31,51	4,954	+0,0405	+0,006	8.6385	9.0516	0.6949	+8.5595
1457	Camelopardi.....	6	35 42,52	6,142	+0,0837	.....	8.8041	9.2183	0.7883	+8.7710
1458	Cæli ..... α	4½	35 43,95	1,941	+0,0018	−0,011	8.5095	8.9238	0.2881	−8.3363
1459*	Camelopardi.....	6½	35 49,77	4,875	+0,0381	.....	8.6241	9.0389	0.6879	+8.5392
1460	Tauri	6	36 7,29	3,310	+0,0067	+0,013	8.3855	8.8020	0.5199	+7.6607
1461	55 Eridani	6	36 23,55	2,871	+0,0028	+0,005	8.3818	8.7998	0.4580	−7.5798
1462	Tauri	7	36 26,83	3,746	+0,0126	+0,013	8.4316	8.8500	0.5735	+8.1086
1463*	Tauri	7½	36 39,39	3,610	+0,0105	+0,002	8.4121	8.8316	0.5575	+8.0101
1464	Cæli ..... β	5	36 45,55	2,114	+0,0012	+0,008	8.4747	8.8948	0.3250	−8.2585
1465	56 Eridani	6	36 53,33	2,877	+0,0029	+0,003	8.3790	8.7998	0.4590	−7.5630
1466	Reticuli	6	37 9,85	0,651	+0,0161	+0,009	8.7105	9.1330	9.8134	−8.6591
1467	Cæli	5½	37 21,53	2,318	+0,0010	+0,001	8.4386	8.8622	0.3650	−8.1511
1468	Tauri	6	37 31,41	3,488	+0,0088	+0,003	8.3936	8.8181	0.5426	+7.8941
1469	57 Eridani ..... μ	5	38 0,43	2,993	+0,0037	+0,008	8.3690	8.7963	0.4762	−7.1588
1470	Camelopardi.....	5½	38 4,10	5,555	+0,0585	−0,001	8.7145	9.1421	0.7447	+8.6653
1471	Eridani	6	38 13,36	2,409	+0,0011	−0,010	8.4206	8.8492	0.3818	−8.0902
1472	Cæli	5½	38 48,49	1,967	+0,0017	+0,001	8.4886	8.9206	0.2938	−8.3086
1473	Pictoris..... λ	5	38 55,97	1,535	+0,0043	−0,005	8.5624	8.9951	0.1860	−8.4515
1474*	9 Camelopardi.... α	4	39 10,52	5,899	+0,0703	+0,007	8.7543	9.1884	0.7708	+8.7153
1475	Aurigæ	6½	39 37,17	3,865	+0,0141	+0,008	8.4330	8.8697	0.5872	+8.1611
1476	1 Aurigæ	6	39 49,16	4,025	+0,0168	−0,002	8.4578	8.8957	0.6047	+8.2395
1477	Persei	6	39 53,47	4,489	+0,0264	+0,003	8.5371	8.9754	0.6522	+8.4114
1478*	Tauri	7½	39 55,41	3,490	+0,0085	+0,013	8.3813	8.8198	0.5428	+7.8818
1479	Pictoris.....	6	40 8,16	1,430	+0,0051	−0,003	8.5732	9.0130	0.1554	−8.4730
1480	Cæli	6	40 16,91	+2,214	+0,0011	+0,009	8.4394	8.8800	+0.3451	−8.1901
1481	Mensæ	6	40 23,18	−7,495	+0,5068	−0,228	9.2837	9.7247	−0.8748	−9.2806
1482*	Eridani	6	40 26,57	+2,392	+0,0011	+0,003	8.4112	8.8527	+0.3787	−8.0879
1483	Cæli	5½	40 51,58	2,029	+0,0015	−0,001	8.4669	8.9109	0.3072	−8.2716
1484	58 Eridani	6	40 52,33	2,681	+0,0018	+0,014	8.3733	8.8174	0.4283	−7.8445
1485*	96 Tauri	6	4 41 9,42	+3,423	+0,0076	+0,003	+8.3683	+8.8141	+0.5344	+7.7989

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1441	104 36 3,0	−7,57	+0,371	+0,16	−9.8151	+8.9783	−0.8790	+9.9666	647	150	ii. 539	....	....	J 101
1442	78 6 1,2	7,54	0,450	−0,03	−9.3683	−8.8892	0.8772	9.9669	646	149	ii. 540			
1443	102 25 24,4	7,52	0,378	−0,01	−9.7946	+8.9067	0.8762	9.9671	....	154	iv. 337	....	....	B.H 935
1444	61 40 50,6	7,52	0,506	+0,04	+8.7619	−9.2500	0.8761	9.9671	....	148	iii. 469	....	....	W 269
1445	46 55 35,4	7,49	0,572	+0,07	+9.5004	−9.4067	0.8745	9.9674	644	147	iii. 470			
1446	104 39 16,1	7,48	0,372	+0,15	−9.8159	+8.9747	0.8738	9.9675	650	157	ii. 542	....	....	B.F 602
1447	132 10 43,5	7,48	0,263	+0,01	−9.9753	+9.3985	0.8738	9.9675	....	160	iii. 472	1543	749	
1448	9 4 16,8	7,47	1,467	.....	+9.9284	−9.5658	0.8735	9.9675	....	....	.....	....	....	G 856
1449	67 20 7,6	7,41	0,486	0,00	−8.6274	−9.1535	0.8699	9.9681	648	159	ii. 543	....	....	M 171
1450	114 46 48,4	7,36	0,339	+0,11	−9.8943	+9.1870	0.8669	9.9686	....	167	ii. 546	1544	752	
1451	109 57 48,3	7,36	0,355	+0,11	−9.8606	+9.0979	0.8669	9.9686	653	166	ii. 545	....	....	J 102
1452	57 25 17,9	7,34	0,525	0,00	+9.1316	−9.2947	0.8657	9.9688	....	161	iii. 473			
1453	66 12 0,4	7,34	+ 0,491	0,00	−8.3324	−9.1692	0.8656	9.9688	652	162	ii. 544			
1454	171 55 8,9	7,33	− 0,773	+0,61	−9.9924	+9.5584	0.8649	9.9689	....	....	.....	1639	764	
1455	141 58 6,0	7,24	+ 0,201	−0,01	−0.0009	+9.4539	0.8598	9.9697	....	....	v. 364	1558	756	
1456	33 30 56,4	7,23	0,674	+0,14	+9.7309	−9.4777	0.8589	9.9698	649	164	iii. 475			
1457	22 6 17,3	7,21	0,836	.....	+9.8458	−9.5226	0.8580	9.9699	....	....	.....	....	....	G 870
1458	132 9 9,0	7,21	0,264	+0,05	−9.9768	+9.3824	0.8579	9.9700	....	175	ii. 548	1556	757	J 103
1459	34 40 17,3	7,20	0,664	+0,07	+9.7166	−9.4703	0.8574	9.9700	651	....	.....	....	....	B 23
1460	79 8 15,7	7,18	0,451	0,00	−9.3983	−8.8289	0.8560	9.9702	....	169	ii. 547	....	....	B.H 1390
1461	99 4 42,1	7,16	0,391	−0,04	−9.7604	+8.7505	0.8546	9.9704	655	172	iii. 478			
1462	61 37 11,2	7,15	0,510	+0,07	+8.7945	−9.2291	0.8543	9.9705	....	168	iii. 477			
1463	66 39 10,3	7,13	0,492	.....	−8.4472	−9.1491	0.8533	9.9706	654	....	.....	....	....	L 196
1464	127 26 25,3	7,13	0,288	−0,19	−9.9604	+9.3344	0.8528	9.9707	....	181	ii. 549	1559	762	J 104
1465	98 47 12,8	7,12	0,392	−0,03	−9.7572	+8.7339	0.8521	9.9708	656	178	iii. 479			
1466	152 40 11,0	7,09	0,089	−0,39	−0.0129	+9.4971	0.8508	9.9710	....	....	.....	1582	765	
1467	121 2 49,8	7,08	0,316	+0,01	−9.9317	+9.2600	0.8498	9.9711	....	182	iii. 481	1564	763	
1468	71 32 29,2	7,06	0,476	+0,10	−9.0618	−9.0473	0.8490	9.9713	....	179	ii. 550	....	....	M 172
1469	93 32 0,3	7,02	0,409	−0,01	−9.6909	+8.3341	0.8465	9.9716	657	183	ii. 551	....	....	J 105
1470	26 45 30,4	7,02	0,759	+0,07	+9.8069	−9.4948	0.8462	9.9716	....	170	iii. 480	....	....	G 878
1471	117 51 20,6	7,01	0,329	−0,60	−9.9146	+9.2128	0.8454	9.9717	....	....	v. 368	1569	769	
1472	131 20 48,5	6,96	0,269	+0,02	−9.9756	+9.3602	0.8424	9.9722	....	192	iii. 482	1578	770	
1473	140 45 55,1	6,95	0,210	−0,11	−0.0005	+9.4286	0.8418	9.9722	....	....	v. 369	1585	772	
1474	23 55 13,8	6,93	0,807	−0,02	+9.8337	−9.4993	0.8405	9.9724	....	176	ii. 552	....	....	B.H 283
1475	57 40 49,7	6,89	0,529	0,00	+9.1316	−9.2641	0.8383	9.9727	....	185	iii. 484			
1476	52 46 54,0	6,87	0,551	−0,06	+9.3475	−9.3166	0.8372	9.9729	658	187	iii. 486			
1477	41 31 26,1	6,87	0,615	0,00	+9.6188	−9.4089	0.8368	9.9729	....	184	iii. 485	....	....	G 882
1478	71 32 42,1	6,87	0,478	+0,40	−9.0577	−9.0349	0.8367	9.9729	....	190	iii. 487	....	....	M 173
1479	142 32 35,1	6,85	0,196	−0,30	−0.0043	+9.4331	0.8356	9.9731	....	....	v. 372	1599	777	
1480	124 16 51,3	6,84	+ 0,304	+0,05	−9.9485	+9.2833	0.8348	9.9732	....	196	iii. 488	1587	775	
1481	173 12 51,0	6,83	− 1,028	+0,09	−9.9934	+9.5291	0.8344	9.9732	....	....	.....	1707	795	
1482	118 21 41,9	6,82	+ 0,328	0,00	−9.9183	+9.2085	0.8340	9.9733	....	197	ii. 553	1586	776	W 275
1483	129 37 49,3	6,79	0,278	+0,13	−9.9705	+9.3343	0.8318	9.9736	....	202	iii. 489	1594	779	
1484	107 12 45,7	6,79	0,368	−0,19	−9.8407	+9.0007	0.8317	9.9736	664	198	ii. 554			
1485	74 21 47,2	−6,76	+0,470	+0,08	−9.2154	−8.9586	−0.8302	+9.9738	660	195	ii. 555			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1486	1 Orionis ..... π^1	4	4 41 42,15	+3,219	+0,0054	+0,039	+8.3520	+8.8010	+0.5077	+7.4186
1487	59 Eridani	6	41 47,68	2,695	+0,0019	+0,003	8.3670	8.8166	0.4306	−7.8229
1488	Cæli	6	41 58,56	2,334	+0,0011	+0,003	8.4113	8.8620	0.3682	−8.1141
1489	Doradûs x	5½	42 4,44	0,887	+0,0114	−0,020	8.6482	9.0995	9.9477	−8.5857
1490*	Aurigæ	7	42 18,20	4,000	+0,0158	+0,016	8.4400	8.8926	0.6020	+8.2132
1491*	2 Orionis ..... π^2	5	42 26,61	3,262	+0,0058	+0,010	8.3500	8.8035	0.5135	+7.5266
1492	2 Aurigæ	5½	42 35,87	4,002	+0,0158	0,000	8.4387	8.8932	0.6023	+8.2125
1493	97 Tauri i	5½	42 36,19	3,495	+0,0083	+0,007	8.3674	8.8219	0.5434	+7.8707
1494	5 Camelopardi	6	42 48,26	4,873	+0,0347	0,000	8.5845	9.0402	0.6878	+8.4979
1495	3 Orionis ..... π^3	4	43 13,30	3,189	+0,0051	+0,005	8.3427	8.8010	0.5036	+7.3118
1496	Camelopardi	6	43 21,13	7,482	+0,1366	−0,025	8.9005	9.3595	0.8740	+8.8834
1497	Tauri	7	43 25,33	3,732	+0,0113	+0,015	8.3924	8.8518	0.5720	+8.0588
1498	60 Eridani	6	43 26,15	2,697	+0,0019	+0,006	8.3579	8.8174	0.4309	−7.8107
1499	Cæli	6	43 56,85	1,839	+0,0021	−0,005	8.4817	8.9444	0.2647	−8.3254
1500	4 Orionis ..... o¹	5	44 3,05	3,386	+0,0069	+0,002	8.3494	8.8127	0.5297	+7.7329
1501*	6 Camelopardi	6	44 27,80	+4,917	+0,0351	−0,003	8.5817	9.0476	+0.6917	+8.4981
1502*	Mensæ	6	44 34,66	−0,649	+0,0443	−0,027	8.8255	9.2921	−9.8123	−8.8017
1503	Doradûs	6	44 46,32	+0,930	+0,0104	+0,031	8.6256	9.0934	+9.9686	−8.5605
1504	7 Camelopardi	5	45 16,57	4,783	+0,0313	+0,002	8.5551	9.0261	0.6797	+8.4603
1505	Tauri	7½	45 23,26	3,453	+0,0075	+0,007	8.3477	8.8194	0.5381	+7.8081
1506	Cæli	5½	45 23,47	1,947	+0,0016	−0,021	8.4549	8.9266	0.2893	−8.2769
1507	61 Eridani ..... ω	5	45 31,69	2,944	+0,0031	+0,002	8.3302	8.8027	0.4689	−7.3279
1508	5 Orionis	6	45 33,58	3,121	+0,0043	+0,004	8.3282	8.8009	0.4942	+6.9234
1509	Camelopardi	6	45 34,79	7,357	+0,1261	−0,003	8.8752	9.3480	0.8667	+8.8570
1510	Camelopardi	6	45 47,95	7,443	+0,1300	−0,027	8.8818	9.3561	0.8718	+8.8643
1511	Cæli	6	46 2,96	2,177	+0,0011	+0,045	8.4126	8.8884	0.3379	−8.1730
1512	Tauri	7	46 17,97	3,438	+0,0073	−0,003	8.3411	8.8185	0.5363	+7.7851
1513	Cæli	6	46 23,18	2,199	+0,0011	+0,007	8.4072	8.8851	0.3422	−8.1602
1514	8 Orionis ..... π^5	4½	46 26,51	3,119	+0,0043	+0,003	8.3232	8.8015	0.4940	+6.9056
1515	6 Orionis ..... g	6	46 28,05	3,321	+0,0060	+0,004	8.3311	8.8095	0.5213	+7.6185
1516	7 Orionis ..... π^4	5½	46 38,49	3,292	+0,0058	+0,006	8.3283	8.8078	0.5175	+7.5639
1517	Tauri	7	46 42,13	3,444	+0,0073	−0,001	8.3394	8.8193	0.5370	+7.7895
1518*	Tauri	6	47 7,72	3,645	+0,0097	.....	8.3594	8.8420	0.5617	+7.9745
1519	Orionis	6	47 8,15	3,075	+0,0039	−0,009	8.3189	8.8016	0.4879	+5.8999
1520*	3 Aurigæ i	4	47 13,91	3,893	+0,0132	+0,002	8.3944	8.8777	0.5903	+8.1296
1521*	Pictoris	5½	47 34,51	1,339	+0,0055	−0,002	8.5442	9.0297	0.1269	−8.4506
1522*	Camelopardi	6½	47 40,35	6,008	+0,0662	+0,017	8.7169	9.2030	0.7787	+8.6797
1523	Pictoris	6	47 49,33	1,445	+0,0045	−0,024	8.5254	9.0125	0.1598	−8.4218
1524*	8 Camelopardi	6½	47 50,15	4,753	+0,0294	−0,003	8.5346	9.0217	0.6769	+8.4364
1525	9 Orionis ..... o²	5	47 56,56	3,371	+0,0064	−0,001	8.3260	8.8138	0.5277	+7.6870
1526*	Tauri	6	48 42,71	3,458	+0,0072	+0,004	8.3289	8.8218	0.5388	+7.7927
1527*	99 Tauri	6½	48 42,93	3,630	+0,0092	+0,004	8.3480	8.8409	0.5599	+7.9523
1528	98 Tauri ..... k	6	48 58,85	3,659	+0,0096	+0,004	8.3502	8.8448	0.5634	+7.9731
1529	62 Eridani ..... b	6	49 1,17	2,950	+0,0030	+0,004	8.3098	8.8047	0.4698	−7.2846
1530	4 Aurigæ	5	4 49 4,77	+4,053	+0,0153	+0,005	+8.4090	+8.9042	+0.6078	+8.1950

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1486	83 18 18,7	−6,72	+0,442	+0,01	−9.5068	−8.5917	−0.8273	+9.9742	663	201	ii. 556			
1487	106 35 55,8	6,71	0,370	−0,06	−9.8358	+8.9805	0.8268	9.9742	668	206	ii. 557			
1488	120 17 39,5	6,70	0,321	+0,03	−9.9295	+9.2264	0.8259	9.9743	....	210	iii. 491	1601	783	
1489	150 0 35,4	6,69	0,122	+0,01	−0.0143	+9.4607	0.8253	9.9744	....	....	.....	1614	784	
1490	53 36 56,4	6,67	0,550	−0,11	+9.3222	−9.2951	0.8241	9.9746	661	200	iii. 490			
1491	81 21 41,7	6,66	0,449	+0,03	−9.4583	−8.6978	0.8233	9.9746	667	209	ii. 558	....	....	P 190
1492	53 33 19,1	6,65	0,551	−0,01	+9.3251	−9.2941	0.8225	9.9748	662	203	iii. 494			
1493	71 25 13,7	6,65	0,481	+0,04	−9.0442	−9.0235	0.8225	9.9748	666	208	ii. 559	....	....	M 174
1494	34 59 50,8	6,63	0,671	+0,09	+9.7195	−9.4326	0.8214	9.9749	659	199	iii. 493			
1495	84 39 22,8	6,59	0,439	+0,03	−9.5367	−8.4860	0.8191	9.9752	670	213	ii. 560			
1496	15 58 27,3	6,58	1,031	+0,02	+9.8969	−9.4991	0.8184	9.9753	....	191	iii. 492	....	....	G 886
1497	62 21 31,0	6,58	0,514	+0,06	+8.7316	−9.1823	0.8180	9.9753	....	211	ii. 561	....	....	W 279
1498	106 28 53,3	6,58	0,372	−0,08	−9.8351	+8.9686	0.8180	9.9753	673	215	ii. 562			
1499	134 14 43,5	6,53	0,254	+0,05	−9.9870	+9.3566	0.8152	9.9756	....	221	iii. 497	1616	791	
1500	76 0 13,4	6,53	0,467	+0,06	−9.2842	−8.8959	0.8146	9.9757	672	216	ii. 563	....	....	M 175
1501	34 25 26,1	6,49	+0,678	+0,02	+9.7285	−9.4265	0.8123	9.9760	665	212	iii. 496			
1502	161 12 50,9	6,48	−0,090	+1,15	−0.0152	+9.4857	0.8117	9.9761	....	....	.....	1654	801	
1503	149 24 9,8	6,47	+0,128	−0,05	−0.0152	+9.4433	0.8106	9.9762	....	....	v. 377	1632	797	
1504	36 29 41,4	6,42	0,661	0,00	+9.7020	−9.4108	0.8078	9.9765	669	217	ii. 564	.		
1505	73 13 28,7	6,41	0,477	−0,01	−9.1523	−8.9653	0.8072	9.9766	....	222	iii. 500	....	....	M 176
1506	131 34 55,1	6,41	0,269	−0,09	−9.9793	+9.3269	0.8071	9.9766	....	230	iii. 502	1626	799	
1507	95 42 28,7	6,40	0,407	−0,01	−9.7211	+8.5018	0.8064	9.9767	676	227	ii. 566	....	....	J 106
1508	87 44 37,3	6,40	0,431	+0,03	−9.5980	−8.0991	0.8062	9.9767	675	226	ii. 565			
1509	16 28 10,2	6,40	1,017	0,00	+9.8954	−9.4857	0.8061	9.9767	....	204	iii. 498	....	....	G 890
1510	16 9 53,7	6,38	1,029	0,00	+9.8975	−9.4851	0.8048	9.9768	....	207	iii. 499	....	....	G 891
1511	125 9 41,5	6,36	0,301	+0,11	−9.9547	+9.2615	0.8034	9.9770	....	237	iii. 504	1628	802	
1512	73 51 41,5	6,34	0,476	+0,01	−9.1853	−8.9438	0.8020	9.9772	....	228	iii. 503	....	....	M 177
1513	124 29 37,0	6,33	0,304	+0,02	−9.9519	+9.2523	0.8015	9.9772	....	....	v. 380	1630	806	
1514	87 48 32,4	6,33	0,432	0,00	−9.5991	−8.0814	0.8012	9.9772	680	232	ii. 568			
1515	78 49 22,4	6,33	0,460	−0,04	−9.3833	−8.7863	0.8010	9.9773	678	229	ii. 567			
1516	80 5 35,2	6,31	0,456	+0,18	−9.4219	−8.7335	0.8001	9.9774	679	234	ii. 569			
1517	73 37 26,2	6,31	0,477	−0,05	−9.1726	−8.9476	0.7997	9.9774	....	231	iii. 505	....	....	M 178
1518	65 39 15,1	6,27	0,505	.....	−7.5798	−9.1102	0.7973	9.9777	....	....	.....	....	....	B.F 625
1519	89 46 54,2	6,27	0,426	+0,07	−9.6339	−7.0760	0.7972	9.9777	....	239	iii. 507			
1520	57 4 36,5	6,26	0,539	+0,01	+9.1818	−9.2296	0.7967	9.9777	677	235	ii. 570			
1521	143 43 9,8	6,23	0,186	+0,06	−0.0099	+9.3989	0.7947	9.9779	....	....	v. 381	1650	810	
1522	23 23 46,1	6,23	0,833	+0,52	+9.8452	−9.4546	0.7941	9.9780	671	....	.....	....	....	A 114
1523	141 58 39,9	6,21	0,200	−0,23	−0.0070	+9.3874	0.7932	9.9781	....	....	v. 384	1651	815	
1524	37 4 55,8	6,21	0,659	+0,06	+9.6963	−9.3928	0.7932	9.9781	674	233	iii. 508			
1525	76 43 37,1	6,20	0,468	+0,04	−9.3098	−8.8513	0.7925	9.9782	682	240	ii. 571			
1526	73 5 9,7	6,14	0,480	+0,01	−9.1405	−8.9496	0.7880	9.9786	686	246	ii. 573	....	....	M 180
1527	66 17 25,7	6,14	0,504	+0,03	−8.1614	−9.0901	0.7880	9.9786	684	243	ii. 572	....	....	M 179
1528	65 11 13,5	6,12	0,508	+0,09	+7.7634	−9.1071	0.7864	9.9788	685	247	ii. 575			
1529	95 24 51,2	6,11	0,410	+0,08	−9.7176	+8.4588	0.7862	9.9788	689	250	ii. 576			
1530	52 20 30,8	−6,11	+0,563	+0,09	+9.3771	−9.2696	−0.7859	+9.9789	683	245	ii. 574			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1531*	Leporis	6	4 49 22,13	+2,450	+0,0011	0,000	+8.3521	+8.8492	+0.3892	−7.9935
1532	Mensæ	5	49 25,09	−2,267	+0,0977	−0,055	8.9397	9.4372	−0.3555	−8.9277
1533*	Cæli	6	49 53,51	+2,006	+0,0014	−0,001	8.4176	8.9182	+0.3023	−8.2245
1534	5 Aurigæ	6	50 0,37	4,109	+0,0160	+0,004	8.4125	8.9138	0.6138	+8.2129
1535	6 Aurigæ	6½	50 3,39	4,119	+0,0161	+0,003	8.4138	8.9155	0.6148	+8.2166
1536	10 Camelopardi....β	4½	50 5,72	5,299	+0,0421	+0,004	8.6053	9.1073	0.7242	+8.5438
1537	Orionis	6½	50 28,62	3,396	+0,0064	−0,006	8.3129	8.8173	0.5310	+7.7058
1538	10 Orionis .....π^6	5½	50 46,78	3,104	+0,0039	+0,007	8.2975	8.8039	0.4919	+6.7096
1539	101 Tauri	7	51 8,01	3,429	+0,0068	+0,010	8.3117	8.8205	0.5352	+7.7436
1540	7 Aurigæ ..... ε	4	51 12,87	4,287	+0,0187	+0,004	8.4348	8.9442	0.6321	+8.2734
1541	8 Aurigæ ..... ζ	4	52 0,17	4,176	+0,0167	+0,005	8.4111	8.9257	0.6208	+8.2267
1542	Orionis	7	52 3,60	3,393	+0,0063	+0,010	8.3029	8.8179	0.5306	+7.6911
1543	Doradûs	6	52 26,35	0,959	+0,0090	+0,031	8.5726	9.0903	9.9818	−8.5047
1544	63 Eridani	5	52 44,67	2,834	+0,0022	+0,006	8.2925	8.8123	0.4524	−7.5526
1545	64 Eridani	6	52 57,79	2,781	+0,0020	+0,006	8.2947	8.8159	0.4442	−7.6389
1546	11 Camelopardi.....	5	53 7,18	5,181	+0,0372	+0,003	8.5679	9.0903	0.7144	+8.4999
1547	12 Camelopardi.....	6	53 10,16	5,186	+0,0372	+0,004	8.5682	9.0909	0.7148	+8.5004
1548	Doradûs	6	53 15,40	0,065	+0,0229	−0,076	8.6886	9.2119	8.8156	−8.6524
1549*	Camelopardi.....	6	53 29,69	7,464	+0,1167	−0,018	8.8334	9.3583	0.8730	+8.8157
1550	Camelopardi.....	6½	53 30,33	8,315	+0,1580	−0,045	8.9051	9.4300	0.9198	+8.8925
1551	102 Tauri ..... ι	4½	54 8,10	3,572	+0,0080	+0,009	8.3073	8.8367	0.5530	+7.8689
1552	65 Eridani.....ψ	5	54 10,09	2,904	+0,0026	+0,002	8.2798	8.8094	0.4630	−7.3896
1553	Leporis.....	5½	54 55,41	2,597	+0,0014	+0,011	8.2991	8.8339	0.4144	−7.8388
1554	9 Aurigæ	5	54 56,42	4,678	+0,0250	0,000	8.4760	9.0110	0.6701	+8.3689
1555	Tauri	7	55 25,39	+3,565	+0,0077	−0,003	8.2981	8.8365	+0.5521	+7.8536
1556	Mensæ	6	55 35,56	−1,041	+0,0480	−0,033	8.7924	9.3320	−0.0175	−8.7722
1557	11 Orionis	5	56 0,05	+3,420	+0,0062	+0,004	8.2797	8.8222	+0.5340	+7.6980
1558	10 Aurigæ ..... η	4	56 0,21	4,189	+0,0159	+0,006	8.3866	8.9292	0.6221	+8.2038
1559	Leporis	5	56 3,90	2,430	+0,0011	+0,008	8.3120	8.8550	0.3856	−7.9614
1560	1 Leporis	6	56 25,27	2,524	+0,0011	+0,009	8.2975	8.8430	0.4022	−7.8896
1561*	Cæli	6	56 34,81	1,994	+0,0014	+0,003	8.3758	8.9224	0.2997	−8.1833
1562	Tauri	7	56 36,56	3,704	+0,0090	−0,003	8.3074	8.8542	0.5687	+7.9526
1563	Tauri	6½	56 41,90	3,529	+0,0071	0,000	8.2855	8.8330	0.5476	+7.8110
1564*	Cæli	6	56 42,55	2,267	+0,0009	−0,002	8.3311	8.8787	0.3555	−8.0552
1565*	Camelopardi.....	5	57 55,03	9,725	+0,2235	−0,054	8.9725	9.5289	0.9879	+8.9645
1566	Camelopardi.....	6	58 2,50	4,725	+0,0247	.....	8.4621	9.0194	0.6744	+8.3592
1567*	Camelopardi.....	7½	58 2,64	4,812	+0,0264	.....	8.4762	9.0336	0.6824	+8.3814
1568	104 Tauri .....m	5½	58 35,47	3,501	+0,0067	+0,045	8.2696	8.8310	0.5441	+7.7697
1569*	Pictoris.....η^1	5½	58 53,58	1,568	+0,0031	−0,023	8.4310	8.9946	0.1952	−8.3111
1570	106 Tauri l	5½	58 56,01	3,546	+0,0071	+0,001	8.2720	8.8359	0.5497	+7.8105
1571	105 Tauri	6	58 57,53	3,579	+0,0074	+0,003	8.2755	8.8397	0.5537	+7.8397
1572*	103 Tauri	6	58 58,49	3,647	+0,0082	+0,004	8.2836	8.8478	0.5619	+7.8940
1573	Cæli .....γ^1	5	59 0,80	2,144	+0,0011	+0,009	8.3342	8.8987	0.3312	−8.1002
1574	Cæli .....γ^2	5½	59 4,78	2,136	+0,0010	−0,005	8.3350	8.9000	0.3296	−8.1033
1575	2 Leporis .....ε	4	4 59 6,82	+2,534	+0,0012	+0,004	+8.2778	+8.8430	+0.4038	−7.8620

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1531	115 58 27,1	−6,08	+0,341	+0,58	−9.9071	+9.1234	−0.7841	+9.9790	....	....	v. 386	1648	817	
1532	166 34 29,9	6,08	−0,315	+0,19	−0.0119	+9.4696	0.7839	9.9791	....	....	.....	1702	828	
1533	129 52 17,3	6,04	+0,279	−0,06	−9.9752	+9.2857	0.7810	9.9794	....	260	iii. 512	1658	825	
1534	50 50 19,4	6,03	0,572	0,00	+9.4246	−9.2785	0.7803	9.9794	687	251	iii. 510			
1535	50 34 43,6	6,03	0,573	+0,03	+9.4322	−9.2806	0.7800	9.9795	688	252	iii. 511			
1536	29 47 6,1	6,02	0,737	+0,02	+9.7869	−9.4160	0.7798	9.9795	681	244	ii. 577			
1537	75 41 27,2	5,99	0,473	+0,03	−9.2662	−8.8682	0.7775	9.9797	....	257	ii. 578	....	....	M 181
1538	88 31 12,1	5,97	0,432	−0,01	−9.6118	−7.8855	0.7757	9.9799	695	259	ii. 579			
1539	74 18 51,6	5,94	0,478	+0,02	−9.2030	−8.9032	0.7735	9.9801	694	261	ii. 581	....	....	M 182
1540	46 24 16,4	5,93	0,597	0,00	+9.5371	−9.3093	0.7730	9.9801	690	256	ii. 580			
1541	49 8 55,9	5,86	0,582	0,00	+9.4731	−9.2816	0.7681	9.9806	693	262	ii. 582			
1542	75 50 52,5	5,86	0,473	−0,01	−9.2718	−8.8538	0.7678	9.9806	....	266	iii. 513			
1543	148 47 21,6	5,83	0,134	−0,25	−0.0184	+9.3953	0.7654	9.9809	....	....	v. 391	1679	833	
1544	100 29 12,7	5,80	0,396	+0,12	−9.7788	+8.7214	0.7635	9.9810	697	271	ii. 583	....	....	J 107
1545	102 45 41,1	5,78	0,388	+0,03	−9.8026	+8.8041	0.7621	9.9812	699	272	ii. 584			
1546	31 14 39,5	5,77	0,724	+0,01	+9.7736	−9.3909	0.7612	9.9812	691	263	iii. 517			
1547	31 11 40,6	5,77	0,724	+0,03	+9.7742	−9.3908	0.7608	9.9813	692	264	iii. 518			
1548	156 55 4,5	5,76	0,009	+0,29	−0.0217	+9.4218	0.7603	9.9813	....	....	.....	1701	837	
1549	16 15 27,9	5,74	1,043	+0,03	+9.9022	−9.4388	0.7588	9.9815	....	254	iii. 516	....	....	B.H 266
1550	13 43 44,2	5,74	1,162	−0,04	+9.9179	−9.4439	0.7587	9.9815	....	253	iii. 514	....	....	G 908
1551	68 37 44,9	5,69	0,500	+0,04	−8.7372	−9.0141	0.7547	9.9818	698	274	ii. 585	....	....	M 183
1552	97 23 52,8	5,68	0,406	−0,01	−9.7434	+8.5621	0.7545	9.9818	701	280	ii. 586	....	....	J 108
1553	110 16 28,3	5,62	0,364	+0,04	−9.8691	+8.9871	0.7496	9.9823	....	285	iv. 366	....	....	B.F 653
1554	38 36 27,7	5,62	0,655	+0,15	+9.6807	−9.3402	0.7495	9.9823	696	273	iii. 521			
1555	68 56 12,6	5,58	+0,499	+0,04	−8.7767	−8.9997	0.7464	9.9825	....	282	ii. 587	....	....	M 184
1556	162 39 2,5	5,56	−0,146	−0,72	−0.0197	+9.4228	0.7452	9.9826	....	....	.....	1721	851	
1557	74 48 36,0	5,53	+0,479	+0,04	−9.2225	−8.8587	0.7426	9.9828	702	286	ii. 589	....	....	M 185
1558	48 58 26,1	5,53	0,587	+0,05	+9.4823	−9.2575	0.7425	9.9828	700	283	ii. 588			
1559	116 29 26,7	5,52	0,341	+0,08	−9.9123	+9.0893	0.7421	9.9829	....	289	ii. 590	1686	846	
1560	113 0 44,9	5,49	0,354	−0,06	−9.8895	+9.0297	0.7398	9.9831	704	290	ii. 591	1691		
1561	129 56 18,3	5,48	0,280	−0,03	−9.9778	+9.2440	0.7387	9.9832	....	291	iii. 528	1700	849	
1562	63 46 47,9	5,48	0,520	−0,04	+8.5527	−9.0815	0.7385	9.9832	....	287	iii. 526			
1563	70 24 19,7	5,47	0,495	+0,08	−8.9350	−8.9612	0.7379	9.9832	....	288	iii. 527	....	....	M 186
1564	121 59 33,8	5,47	0,318	+0,06	−9.9434	+9.1598	0.7379	9.9832	....	....	v. 399	1695	848	
1565	10 57 24,2	5,37	1,367	−0,05	+9.9363	−9.4195	0.7297	9.9839	....	269	iii. 525	....	....	B.H 265
1566	37 54 12,9	5,36	0,664	.....	+9.6936	−9.3237	0.7288	9.9839	....	....	.....	....	....	G 929
1567	36 29 30,0	5,36	0,676	.....	+9.7132	−9.3318	0.7288	9.9839	....	....	.....	....	....	B.F 649
1568	71 33 40,5	5,31	0,492	−0,03	−9.0282	−8.9229	0.7251	9.9842	705	293	ii. 592	....	....	M 187
1569	139 22 6,7	5,28	0,221	+0,37	−0.0063	+9.3009	0.7230	9.9844	....	....	v. 402	1717	861	
1570	69 47 6,0	5,28	0,499	+0,05	−8.8686	−8.9590	0.7227	9.9844	708	296	ii. 593	....	....	M 188
1571	68 29 51,9	5,28	0,504	−0,04	−8.7007	−8.9844	0.7225	9.9844	707	297	ii. 595			
1572	65 56 14,3	5,28	0,513	−0,05	−7.4624	−9.0306	0.7224	9.9844	706	295	ii. 594	....	....	B.F 655
1573	125 41 29,3	5,27	0,302	+0,07	−9.9616	+9.1859	0.7221	9.9844	....	308	ii. 598	1712	858	J 110
1574	125 55 5,9	5,27	0,301	+0,10	−9.9626	+9.1878	0.7217	9.9845	....	309	iii. 531	1713	860	
1575	112 34 32,6	−5,27	+0,357	+0,05	−9.8871	+9.0034	−0.7214	+9.9845	713	303	ii. 597	....	....	J 109

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1576	Cæli	6	4 59 6,98	+1,911	+0,0016	+0,012	+8.3718	+8.9371	+0.2812	−8.1970
1577	Tauri	7	59 10,42	3,759	+0,0093	+0,011	8.2971	8.8628	0.5750	+7.9697
1578	Leporis.....	6	59 10,95	2,431	+0,0010	+0,007	8.2903	8.8561	0.3858	−7.9377
1579	66 Eridani.....	6	59 20,77	2,961	+0,0027	+0,002	8.2431	8.8101	0.4714	−7.1712
1580	Pictoris.....	neb.	59 22,12	1,549	+0,0032	−0,045	8.4306	8.9978	0.1899	−8.3130
1581	13 Orionis	6½	59 25,35	3,282	+0,0048	+0,003	8.2467	8.8143	0.5161	+7.4544
1582	Aurigæ	6	59 33,17	4,444	+0,0190	+0,010	8.4044	8.9730	0.6477	+8.2669
1583*	14 Camelopardi.....	6	59 34,55	5,550	+0,0423	−0,004	8.5755	9.1442	0.7443	+8.5234
1584	14 Orionis .....*i*	6	59 43,11	3,259	+0,0045	+0,007	8.2435	8.8133	0.5131	+7.4028
1585	Camelopardi.....	6	59 45,43	7,316	+0,0993	.....	8.7748	9.3449	0.8643	+8.7556
1586	107 Tauri	7	4 59 59,63	+3,532	+0,0069	+0,005	8.2630	8.8349	+0.5480	+7.7899
1587	Mensæ	4½	5 0 0,15	−1,806	+0,0668	+0,273	8.8287	9.4006	−0.2567	−8.8139
1588	67 Eridani.....β	3	0 28,73	+2,951	+0,0026	−0,003	8.2354	8.8110	+0.4700	−7.1996
1589	Pictoris.....η^2	5½	1 2,67	1,541	+0,0032	−0,030	8.4195	8.9994	0.1879	−8.3023
1590	16 Orionis.....h	6	1 4,67	3,290	+0,0047	+0,007	8.2354	8.8156	0.5172	+7.4588
1591	15 Orionis	5	1 7,04	3,427	+0,0057	+0,003	8.2448	8.8253	0.5349	+7.6690
1592*	Eridani	7	1 9,56	2,869	+0,0022	+0,007	8.2339	8.8147	0.4577	−7.4215
1593	68 Eridani	6	1 17,70	2,965	+0,0026	+0,001	8.2291	8.8110	0.4721	−7.1386
1594	Orionis	7	1 43,46	3,378	+0,0053	−0,009	8.2364	8.8216	0.5286	+7.6000
1595	Pictoris.....	6	1 52,54	1,249	+0,0051	−0,010	8.4607	9.0470	0.0964	−8.3720
1596	Tauri	7	1 53,66	3,551	+0,0068	+0,013	8.2513	8.8379	0.5504	+7.7932
1597	69 Eridani.....λ	4	1 58,26	2,867	+0,0021	+0,005	8.2280	8.8152	0.4574	−7.4200
1598	Camelopardi.....	6	2 37,07	9,298	+0,1829	.....	8.9091	9.5013	0.9684	+8.8999
1599	Columbæ	6	2 54,48	2,132	+0,0010	+0,003	8.3074	8.9019	0.3288	−8.0757
1600	Doradûs .....ζ	5	2 56,53	1,023	+0,0070	−0,022	8.4875	9.0822	0.0097	−8.4144
1601	Orionis	6½	3 5,05	3,439	+0,0056	+0,011	8.2313	8.8272	0.5364	+7.6678
1602	11 Aurigæ.....μ	5	3 10,09	4,094	+0,0127	0,000	8.3191	8.9157	0.6122	+8.1114
1603*	Columbæ	6	3 41,54	1,927	+0,0015	−0,016	8.3349	8.9357	0.2848	−8.1555
1604	Leporis.....	7	4 23,11	2,794	+0,0018	+0,004	8.2143	8.8207	0.4462	−7.5336
1605	Pictoris.....	6	4 34,07	+1,204	+0,0053	−0,011	8.4467	9.0545	+0.0806	−8.3610
1606	Mensæ .....β	5½	4 48,66	−0,816	+0,0356	+0,063	8.7005	9.3103	−9.9116	−8.6775
1607	Pictoris.....	6	5 10,09	+1,793	+0,0018	−0,003	8.3456	8.9584	+0.2535	−8.1915
1608	3 Leporis..... *i*	4½	5 18,17	2,793	+0,0017	+0,005	8.2072	8.8211	0.4461	−7.5270
1609*	12 Aurigæ	6	5 21,15	4,427	+0,0168	+0,010	8.3573	8.9716	0.6461	+8.2160
1610*	Camelopardi.....	6	5 21,58	9,262	+0,1720	+0,017	8.8846	9.4989	0.9667	+8.8752
1611	17 Orionis .....ρ	5	5 27,16	3,131	+0,0033	+0,004	8.1969	8.8120	0.4957	+6.8664
1612	Doradûs .....μ	5	5 35,19	0,626	+0,0108	−0,112	8.5238	9.1400	9.7968	−8.4697
1613	13 Aurigæ .....α	1	5 36,95	4,409	+0,0165	+0,013	8.3521	8.9685	0.6443	+8.2079
1614	14 Aurigæ	5	5 38,36	3,899	+0,0099	0,000	8.2690	8.8856	0.5909	+7.9993
1615*	Columbæ	6	5 42,92	2,308	+0,0009	−0,032	8.2586	8.8759	0.3632	−7.9629
1616*	5 Leporis.....μ	5	6 11,63	2,688	+0,0014	0,000	8.2086	8.8298	0.4295	−7.6590
1617	4 Leporis.....κ	5	6 18,39	2,767	+0,0016	+0,003	8.2012	8.8234	0.4421	−7.5573
1618*	Orionis	7	6 20,75	2,880	+0,0020	+0,004	8.1940	8.8165	0.4594	−7.3549
1619	Camelopardi.....	6	6 24,74	9,099	+0,1609	+0,008	8.8648	9.4879	0.9590	+8.8549
1620	108 Tauri	7	5 6 26,93	+3,599	+0,0067	+0,003	+8.2217	+8.8451	+0.5562	+7.7973

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1576	131 57 45,9	−5,27	+0,269	−0,14	−9.9858	+9.2444	−0.7214	+9.9845	....	310	iii. 533	1715	862	
1577	61 55 42,6	5,26	0,529	−0,06	+8.8525	−9.0914	0.7210	9.9845	....	298	ii. 596	....	....	W 294
1578	116 21 31,5	5,26	0,342	+0,12	−9.9124	+9.0661	0.7210	9.9845	....	307	ii. 600	1710	859	
1579	94 51 42,1	5,25	0,417	+0,04	−9.7111	+8.3457	0.7198	9.9846	712	302	ii. 599			
1580	139 42 23,3	5,24	0,218	+0,29	−0.0072	+9.2998	0.7197	9.9846	....	....	v. 405	1720	865	
1581	80 42 58,9	5,24	0,462	+0,40	−9.4355	−8.6248	0.7193	9.9847	709	300	iii. 532			
1582	43 13 44,0	5,23	0,626	+0,10	+9.6087	−9.2786	0.7184	9.9847	....	294	iii. 530	....	....	G 932
1583	27 30 7,4	5,23	0,782	0,00	+9.8168	−9.3639	0.7182	9.9847	703	292	iii. 529			
1584	81 42 5,9	5,21	0,459	+0,06	−9.4624	−8.5743	0.7172	9.9848	711	304	ii. 601			
1585	16 54 52,3	5,21	1,030	.....	+9.9018	−9.3955	0.7169	9.9848	....	....	.....	....	....	G 928
1586	70 20 26,4	5,19	+0,498	+0,01	−8.9227	−8.9399	0.7153	9.9849	710	305	ii. 602			
1587	165 10 3,1	5,19	−0,254	+0,28	0.0190	+9.3983	0.7152	9.9849	....	....	.....	1752	872	
1588	95 17 4,7	5,15	+0,416	+0,08	9.7169	+8.3739	0.7118	9.9852	715	312	ii. 603	....	....	J 111
1589	139 47 6,7	5,10	0,217	+0,25	0.0080	+9.2884	0.7078	9.9855	....	....	.....	1728	870	
1590	80 22 14,4	5,10	0,464	+0,11	9.4250	−8.6287	0.7075	9.9855	716	314	ii. 605			
1591	74 35 56,8	5,10	0,483	−0,02	9.2082	−8.8292	0.7072	9.9855	714	313	ii. 604	....	....	M 189
1592	98 51 41,7	5,09	0,405	.....	9.7618	+8.5924	0.7069	9.9855	718					
1593	94 39 23,5	5,08	0,418	+0,03	9.7084	+8.3132	0.7060	9.9856	717	316	ii. 606			
1594	76 38 42,7	5,05	0,477	+0,07	9.2980	−8.7642	0.7028	9.9858	....	318	iii. 536			
1595	144 36 47,1	5,03	0,176	+0,22	0.0172	+9.3108	0.7017	9.9859	....	....	v. 408	1732	874	
1596	69 37 26,2	5,03	0,501	+0,03	8.8432	−8.9412	0.7016	9.9859	....	319	iii. 537			
1597	98 57 1,7	5,02	0,405	+0,02	−9.7629	+8.5908	0.7010	9.9859	720	323	ii. 607	....	....	J 112
1598	11 45 4,3	4,97	1,314	.....	+9.9346	−9.3849	0.6963	9.9862	....	....	.....	....	....	G 931
1599	125 54 53,3	4,94	0,301	+0,01	−9.9638	+9.1602	0.6941	9.9864	....	....	v. 409	1731	876	
1600	147 40 45,2	4,94	0,145	−0,16	−0.0216	+9.3185	0.6939	9.9864	....	....	ii. 610	1744	878	
1601	74 8 43,5	4,93	0,486	+0,10	−9.1838	−8.8271	0.6928	9.9865	....	1	ii. 609	....	....	B.F 672
1602	51 41 55,8	4,92	0,579	+0,06	+9.4153	−9.1822	0.6922	9.9865	719	324	ii. 608			
1603	131 25 12,4	4,88	0,273	−0,38	−9.9855	+9.2066	0.6882	9.9868	....	....	v. 410	1737	881	
1604	102 2 21,6	4,82	0,396	−0,09	−9.7972	+8.7000	0.6830	9.9871	724	7	iii. 542			
1605	145 11 13,1	4,80	+0,171	+0,01	−0.0190	+9.2937	0.6816	9.9872	....	....	v. 411	1751	885	
1606	161 31 34,3	4,78	−0,116	+0,89	−0.0247	+9.3545	0.6797	9.9873	....	....	.....	1778	889	
1607	134 31 49,9	4,75	+0,254	−0,09	−9.9959	+9.2206	0.6769	9.9875	....	14	iii. 546	1749	887	
1608	102 3 12,7	4,74	0,396	+0,02	−9.7975	+8.6934	0.6759	9.9875	727	11	ii. 613	....	....	J 113
1609	43 45 40,9	4,74	0,627	+0,03	+9.6038	−9.2319	0.6755	9.9875	721	5	iii. 543			
1610	11 51 2,2	4,74	1,313	−0,06	+9.9355	−9.3639	0.6754	9.9875	....	311	iv. 372	....	....	G 937
1611	87 19 18,7	4,73	0,444	+0,01	−9.5889	−8.0420	0.6747	9.9876	725	10	iii. 545			
1612	152 0 9,7	4,72	0,089	+0,68	−0.0261	+9.3174	0.6737	9.9876	....	....	.....	1766	891	
1613	44 9 34,5	4,71	0,625	+0,41	+9.5966	−9.2270	0.6734	9.9877	722	6	ii. 611	....	883	M 190
1614	57 29 29,2	4,71	0,553	−0,02	+9.1942	−9.1014	0.6733	9.9877	723	9	iii. 544			
1615	120 24 30,8	4,71	0,327	−0,68	−9.9377	+9.0747	0.6726	9.9877	....	....	v. 413	1747	882	
1616	106 23 11,6	4,67	0,381	+0,01	−9.8393	+8.8171	0.6689	9.9879	732	16	ii. 616	....	....	J 114 P 218
1617	103 7 21,3	4,66	0,393	+0,02	−9.8085	+8.7219	0.6680	9.9880	730	17	ii. 618	....	....	J 115
1618	98 19 43,2	4,65	0,409	+0,04	−9.7561	+8.5264	0.6677	9.9880	729	15	iv. 375	....	....	P 219
1619	12 10 29,0	4,65	1,291	+0,02	+9.9342	−9.3550	0.6671	9.9880	....	317	iv. 373			
1620	67 53 27,4	−4,64	+0,511	−0,03	−8.5563	−8.9403	−0.6669	+9.9880	726	13	ii. 615	....	....	M 191

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1621	Doradûs	6	5 6 27,12	+0,452	+0,0128	+0,079	+8.5403	+9.1638	+9.6549	−8.4925
1622	15 Camelopardi.....	6½	6 31,59	5,148	+0,0289	−0,008	8.4631	9.0871	0.7116	+8.3913
1623	19 Orionis.....β	1	7 19,90	2,879	+0,0020	+0,005	8.1861	8.8170	0.4592	−7.3496
1624*	18 Orionis	6	7 44,28	3,328	+0,0044	+0,004	8.1864	8.8208	0.5221	+7.4736
1625	Tauri.....	7	7 58,37	3,501	+0,0057	+0,015	8.1987	8.8351	0.5441	+7.6949
1626*	Aurigæ	7½	8 12,31	4,176	+0,0126	0,000	8.2920	8.9304	0.6207	+8.1027
1627	16 Aurigæ	6	8 20,01	+3,924	+0,0096	+0,003	8.2507	8.8902	+0.5937	+7.9892
1628	Mensæ	6	8 22,06	−3,335	+0,1068	−0,014	8.8733	9.5131	−0.5231	−8.8645
1629	17 Aurigæ	6½	8 26,88	+3,937	+0,0098	+0,008	8.2517	8.8922	+0.5951	+7.9947
1630	Columbæ	6	8 27,23	2,124	+0,0010	+0,003	8.2643	8.9049	0.3271	−8.0335
1631	15 Aurigæ.....λ	5	8 35,53	4,163	+0,0124	+0,047	8.2866	8.9284	0.6194	+8.0943
1632*	Aurigæ	6½	9 7,67	3,937	+0,0096	−0,002	8.2460	8.8924	0.5951	+7.9888
1633	Columbæ	6	9 10,67	2,118	+0,0010	+0,005	8.2591	8.9060	0.3259	−8.0299
1634	Columbæ	6	9 23,42	2,403	+0,0009	+0,002	8.2150	8.8638	0.3807	−7.8738
1635*	18 Aurigæ	8	9 30,17	3,945	+0,0096	−0,002	8.2440	8.8938	0.5960	+7.9895
1636	19 Aurigæ	6	10 7,88	3,944	+0,0095	+0,004	8.2385	8.8939	0.5960	+7.9838
1637	109 Tauri .....π	5½	10 16,11	3,596	+0,0062	+0,006	8.1896	8.8462	0.5559	+7.7620
1638	20 Orionis .....τ	4	10 19,58	2,910	+0,0021	+0,006	8.1597	8.8169	0.4639	−7.2463
1639	Tauri	7	10 22,46	3,545	+0,0058	+0,002	8.1830	8.8406	0.5496	+7.7164
1640	Pictoris.....	6	10 24,17	1,387	+0,0036	−0,024	8.3684	9.0263	0.1421	−8.2662
1641	Columbæ	6	10 24,19	2,153	+0,0009	+0,004	8.2429	8.9008	0.3330	−8.0026
1642*	16 Camelopardi.....	6	10 37,40	5,112	+0,0259	−0,005	8.4224	9.0822	0.7086	+8.3479
1643*	Leporis.....	6	10 46,88	2,753	+0,0015	.....	8.1650	8.8263	0.4398	−7.5389
1644	Columbæ	6	10 53,95	2,199	+0,0009	+0,006	8.2314	8.8938	0.3423	−7.9757
1645	20 Aurigæ .....ρ	6	11 11,71	4,233	+0,0125	+0,007	8.2754	8.9405	0.6266	+8.0980
1646	21 Orionis	6	11 21,83	3,126	+0,0030	+0,001	8.1478	8.8145	0.4950	+6.7763
1647	Tauri	7	11 27,71	3,531	+0,0055	+0,003	8.1720	8.8395	0.5480	+7.6937
1648	Tauri	6½	11 34,46	3,760	+0,0074	+0,001	8.1988	8.8674	0.5752	+7.8676
1649	Aurigæ	6½	11 40,42	3,808	+0,0079	+0,002	8.2046	8.8741	0.5807	+7.8958
1650	Columbæ ..... o	5	12 4,55	2,153	+0,0009	+0,009	8.2280	8.9012	0.3331	−7.9871
1651	Tauri	6½	12 5,13	3,538	+0,0056	+0,004	8.1671	8.8404	0.5487	+7.6939
1652	Pictoris.....	6	12 11,60	1,375	+0,0035	−0,012	8.3541	9.0285	0.1384	−8.2527
1653	6 Leporis.....λ	4½	12 40,03	2,760	+0,0015	+0,004	8.1477	8.8265	0.4410	−7.5106
1654	7 Leporis..... γ	5½	13 1,69	2,781	+0,0015	+0,005	8.1429	8.8251	0.4442	−7.4773
1655	Columbæ	6	13 25,27	2,388	+0,0009	+0,015	8.1811	8.8671	0.3781	−7.8459
1656*	Orionis	6	13 33	3,261	+0,0035	.....	8.1323	8.8195	0.5134	+7.2909
1657	Orionis	6	13 52,84	3,058	+0,0025	+0,006	8.1247	8.8151	0.4854	−6.1229
1658	22 Aurigæ	7	13 53,01	+3,791	+0,0073	+0,004	8.1820	8.8724	+0.5787	+7.8646
1659	Doradûs ..... θ	5	13 53,59	−0,070	+0,0175	−0,005	8.5391	9.2296	−8.8420	−8.5042
1660	22 Orionis ..... o	5½	14 6,57	+3,058	+0,0024	+0,006	8.1226	8.8152	+0.4855	−6.0930
1661*	Orionis	8	14 11,38	3,149	+0,0029	−0,065	8.1226	8.8159	0.4982	+6.8982
1662*	Ursæ Minoris	6	14 26,81	18,363	+0,7563	.....	9.1879	9.8839	1.2640	+9.1863
1663	21 Aurigæ ..... σ	5½	14 27,81	4,067	+0,0099	+0,005	8.2183	8.9143	0.6093	+8.0001
1664*	Pictoris.....	6	14 40,06	1,224	+0,0042	−0,007	8.3547	9.0528	0.0877	−8.2661
1665*	23 Orionis .....m	5	5 14 57,15	+3,148	+0,0029	+0,004	+8.1154	+ 8.8162	+0.4981	+6.8879

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1621	153 35 20,7	−4,64	+0,064	−0,14	−0.0271	+9.3167	−0.6668	+9.9880	....	....	.....	1772	894	
1622	32 3 8,2	4,64	0,731	+0,03	+9.7740	−9.2922	0.6662	9.9881	....	8	iii. 547	....	....	G 950
1623	98 22 45,0	4,57	0,409	+0,01	−9.7568	+8.5211	0.6597	9.9884	736	18	ii. 619	....	893	M 192
1624	78 49 54,5	4,53	0,473	−0,02	−9.3748	−8.6413	0.6565	9.9886	734	19	ii. 620			
1625	71 43 55,0	4,51	0,497	−0,09	−9.0282	−8.8485	0.6545	9.9887	....	20	iv. 376			
1626	49 42 13,1	4,49	0,594	.....	+9.4761	−9.1611	0.6526	9.9888	728					
1627	56 47 25,8	4,48	0,558	+0,15	+9.2322	−9.0879	0.6516	9.9889	733	21	iii. 548			
1628	168 29 58,3	4,48	0,474	−0,23	−0.0177	+9.3403	0.6513	9.9889	....	....	.....	1829	905	
1629	56 23 59,7	4,47	0,560	−0,05	+9.2504	−9.0914	0.6506	9.9889	....	23	iii. 549	....	....	B.F 681
1630	126 0 1,6	4,47	0,302	+0,05	−9.9657	+9.1176	0.6506	9.9889	....	30	iv. 379	1767		
1631	50 2 25,5	4,46	0,592	+0,66	+9.4678	−9.1549	0.6494	9.9890	731	22	ii. 621			
1632	56 25 4,1	4,42	0,560	+0,06	+9.2507	−9.0856	0.6450	9.9892	737	26	iii. 550	....	....	B.F 682
1633	126 9 6,1	4,41	0,301	−0,05	−9.9666	+9.1131	0.6445	9.9892	....	36	iii. 551	1773	899	
1634	117 6 55,7	4,39	0,342	+0,09	−9.9196	+8.9993	0.6427	9.9893	....	35	ii. 622	1771	900	W 304
1635	56 10 44,2	4,38	0,561	+0,02	+9.2615	−9.0851	0.6418	9.9894	738	27	iv. 381			
1636	56 12 17,1	4,33	0,562	+0,01	+9.2613	−9.0795	0.6364	9.9896	739	32	iii. 552			
1637	68 3 47,5	4,32	0,512	−0,05	−8.5763	−8.9054	0.6353	9.9897	741	34	ii. 623	....	....	M 193
1638	97 0 39,1	4,31	0,415	+0,03	−9.7403	+8.4191	0.6348	9.9897	742	40	ii. 625	....	....	J 117
1639	70 1 44,9	4,31	0,505	+0,11	−8.8710	−8.8656	0.6343	9.9897	....	37	ii. 624	....	....	M 194
1640	142 12 11,0	4,31	0,198	−0,09	−0.0161	+9.2296	0.6341	9.9898	....	....	v. 417	1791	906	
1641	125 5 56,2	4,31	0,307	+0,08	−9.9622	+9.0915	0.6341	9.9898	....	44	iii. 554	1783	904	
1642	32 36 31,0	4,29	0,728	+0,05	+9.7701	−9.2555	0.6322	9.9898	735	28	iii. 553	....	....	G 958
1643	103 40 56,4	4,27	0,392	−0,02	−9.8147	+8.7025	0.6308	9.9899	743	....	ii. 626	....	....	W 306
1644	123 42 19,7	4,26	0,313	+0,08	−9.9558	+9.0718	0.6298	9.9900	....	47	iii. 556	1786	907	
1645	48 21 3,6	4,24	0,603	+0,03	+9.5123	−9.1475	0.6272	9.9901	740	39	iii. 555			
1646	87 33 49,3	4,22	0,446	+0,05	−9.5933	−7.9520	0.6257	9.9902	744	45	ii. 628			
1647	70 34 53,6	4,22	0,504	+0,11	−8.9258	−8.8444	0.6249	9.9902	....	43	ii. 627	....	....	M 195
1648	62 12 1,6	4,21	0,536	+0,06	+8.8579	−8.9904	0.6239	9.9902	....	41	iii. 557	....	....	M 197
1649	60 35 20,6	4,20	0,543	+0,12	+9.0095	−9.0119	0.6230	9.9903	....	42	ii. 629	....	....	W 309
1650	125 2 46,1	4,16	0,307	+0,50	−9.9624	+9.0763	0.6194	9.9904	....	51	ii. 630	1793	914	
1651	70 20 36,9	4,16	0,505	+0,07	−8.9009	−8.8440	0.6193	9.9904	....	48	iii. 558	....	....	M 196
1652	142 20 56,4	4,15	0,196	−0,30	−0.0169	+9.2147	0.6184	9.9905	....	....	v. 423	1802	916	
1653	103 20 8,2	4,11	0,394	+0,02	−9.8116	+8.6749	0.6141	9.9907	748	52	ii. 631	....	....	J 118
1654	102 28 22,1	4,08	0,397	−0,04	−9.8029	+8.6430	0.6108	9.9908	749	54	ii. 632			
1655	117 31 30,6	4,05	0,341	−0,05	−9.9229	+8.9698	0.6072	9.9910	....	59	ii. 633	1796	919	
1656	81 43	4,04	0,466	.....	−9.4598	−8.4624	0.6061	9.9910	....	....	.....	....	....	A.
1657	90 34 13,6	4,01	0,437	+0,03	−9.6471	+7.2989	0.6030	9.9912	750	58	iii. 559	....	....	B.F 698
1658	61 12 42,2	4,01	+0,542	+0,02	+8.9619	−8.9834	0.6030	9.9912	746	55	ii. 634	....	....	M 198
1659	157 21 15,8	4,01	−0,010	−0,06	−0.0300	+9.2658	0.6029	9.9912	....	....	.....	1828	922	
1660	90 32 7,4	3,99	+0,437	+0,02	−9.6465	+7.2691	0.6009	9.9912	751	60	ii. 635			
1661	86 34 47,4	3,98	0,450	−0,01	−9.5737	−8.0736	0.6001	9.9913	....	61	iii. 560			
1662	4 53 55,1	3,96	2,626	.....	+9.9729	−9.2938	0.5977	9.9914	....	....	.....	....	....	G 944
1663	52 45 37,9	3,96	0,581	0,00	+9.3939	−9.0772	0.5975	9.9914	747	56	iii. 561			
1664	144 37 52,0	3,94	0,175	−0,11	−0.0215	+9.2048	0.5956	9.9915	....	....	v. 427	1817	925	
1665	86 36 15,6	−3,92	+0,450	+0,01	−9.5742	−8.0632	−0.5929	+9.9916	753	65	ii. 639			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1666	Columbæ	6	5 14 57,41	+2,157	+0,0008	+0,019	+8.2004	+8.9013	+0.3339	−7.9574
1667	110 Tauri	7	14 58,11	3,460	+0,0047	0,000	8.1328	8.8339	0.5391	+7.5875
1668	Aurigæ	7	14 58,63	3,861	+0,0078	+0,005	8.1816	8.8828	0.5867	+7.8945
1669	Aurigæ	7	14 58,77	3,859	+0,0078	+0,001	8.1813	8.8824	0.5864	+7.8931
1670*	Leporis	6	15 36,60	2,461	+0,0009	−0,005	8.1508	8.8582	0.3911	−7.7755
1671	111 Tauri	6	15 40,41	3,478	+0,0047	+0,020	8.1276	8.8357	0.5413	+7.5995
1672	Pictoris..... ζ	5	15 41,42	1,464	+0,0028	−0,007	8.3065	9.0147	0.1654	−8.1956
1673	Columbæ	6	15 51,05	2,169	+0,0008	+0,002	8.1900	8.8998	0.3362	−7.9430
1674	Pictoris.....	6	15 52,38	+1,653	+0,0020	+0,022	8.2736	8.9837	+0.2184	−8.1391
1675	Mensæ	6	15 53,64	−7,123	+0,2526	−0,298	8.9994	9.7097	−0.8526	−8.9958
1676	17 Camelopardi.....	6	16 0,69	+5,639	+0,0323	+0,001	8.4464	9.1578	+0.7512	+8.3960
1677*	Pictoris.....	6	16 4,00	1,817	+0,0014	−0,007	8.2446	8.9567	0.2594	−8.0839
1678*	Orionis	6½	16 12,89	3,047	+0,0023	−0,010	8.1025	8.8160	0.4839	−6.3489
1679	8 Leporis.....	6	16 38,37	2,742	+0,0013	0,000	8.1115	8.8293	0.4380	−7.4973
1680	29 Orionis ..... *e*	5½	16 43,67	2,887	+0,0017	+0,008	8.1015	8.8203	0.4605	−7.2423
1681	112 Tauri ..... β	2	16 48,79	3,783	+0,0068	+0,008	8.1525	8.8722	0.5778	+7.8308
1682	27 Orionis ..... *p*	5½	16 51,56	3,047	+0,0023	+0,005	8.0961	8.8162	0.4838	−6.3550
1683*	Aurigæ	6	16 53,04	3,965	+0,0084	+0,007	8.1785	8.8989	0.5982	+7.9289
1684	28 Orionis ..... η	4½	16 56,22	3,012	+0,0022	+0,002	8.0957	8.8166	0.4789	−6.7422
1685	25 Orionis..... ψ^1	5½	16 57,93	3,110	+0,0026	+0,003	8.0952	8.8164	0.4927	+6.5687
1686	Pictoris.....	6	17 3,59	1,779	+0,0015	+0,011	8.2410	8.9632	0.2501	−8.0868
1687	24 Orionis ..... γ	2	17 5,33	3,214	+0,0030	+0,006	8.0963	8.8188	0.5070	+7.1304
1688*	Columbæ	6	17 10,68	2,406	+0,0008	−0,002	8.1424	8.8658	0.3812	−7.7972
1689	113 Tauri	6	17 25,91	3,461	+0,0044	+0,007	8.1087	8.8348	0.5393	+7.5636
1690	24 Aurigæ ..... φ	5	17 42,51	3,969	+0,0082	+0,005	8.1707	8.8997	0.5986	+7.9221
1691	Pictoris.....	6	17 50,77	1,405	+0,0029	−0,028	8.2941	9.0245	0.1476	−8.1890
1692	115 Tauri	5½	18 25,21	3,494	+0,0046	+0,001	8.1016	8.8381	0.5433	+7.5876
1693	Columbæ	6	18 28,01	1,974	+0,0010	+0,019	8.1944	8.9314	0.2954	−8.0008
1694	Columbæ	6	18 28,86	2,062	+0,0009	+0,001	8.1800	8.9172	0.3144	−7.9642
1695	114 Tauri ..... *o*	5	18 37,74	3,597	+0,0052	+0,005	8.1103	8.8490	0.5559	+7.6802
1696*	Orionis	7½	18 39,41	3,135	+0,0026	−0,010	8.0783	8.8173	0.4962	+6.7673
1697	Doradûs	6	18 41,60	0,705	+0,0075	−0,034	8.3908	9.1302	9.8481	−8.3323
1698*	Pictoris.....	6	18 49,85	1,232	+0,0038	−0,013	8.3112	9.0521	0.0905	−8.2214
1699*	Tauri	8	18 52,70	3,446	+0,0042	+0,003	8.0924	8.8338	0.5373	+7.5303
1700	30 Orionis..... ψ^2	5	18 58,87	3,139	+0,0026	+0,004	8.0750	8.8175	0.4968	+6.7882
1701	116 Tauri	6	19 8,65	3,442	+0,0041	+0,005	8.0893	8.8336	0.5368	+7.5228
1702	117 Tauri	6	19 19,39	3,476	+0,0043	+0,007	8.0905	8.8367	0.5410	+7.5591
1703*	Tauri	7	19 30,61	3,456	+0,0041	+0,001	8.0867	8.8349	0.5386	+7.5351
1704	Pictoris..... χ	5	19 36,52	1,098	+0,0045	+0,004	8.3234	9.0727	0.0408	−8.2434
1705	18 Camelopardi.....	6	19 43,30	5,106	+0,0210	+0,020	8.3317	9.0823	0.7081	+8.2558
1706	Camelopardi.....	5	19 45,79	7,961	+0,0833	+0,041	8.6512	9.4023	0.9010	+8.6360
1707	118 Tauri	7	20 2,62	3,685	+0,0056	+0,005	8.1059	8.8601	0.5665	+7.7322
1708	Leporis.....	6	20 6,08	2,790	+0,0013	+0,035	8.0721	8.8269	0.4456	−7.3911
1709	Aurigæ	6½	20 8,99	3,802	+0,0065	+0,002	8.1204	8.8758	0.5801	+7.8068
1710	Pictoris.....	6	5 20 27,79	+1,783	+0,0014	+0,011	+8.2043	+8.9631	+0.2511	−8.0489

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1666	124 51 12,1	−3,92	+0,309	+0,10	−9.9622	+9.0477	−0.5929	+9.9916	....	69	iii. 562	1809	924	
1667	73 26 46,4	3,92	0,495	−0,04	−9.1355	−8.7453	0.5928	9.9916	752	64	ii. 638			
1668	58 55 17,0	3,91	0,552	+0,02	+9.1291	−9.0033	0.5927	9.9916	....	62	ii. 636	....	....	W 312
1669	59 0 5,7	3,91	0,552	−0,04	+9.1242	−9.0023	0.5927	9.9916	....	63	ii. 637	....	....	W 313
1670	114 55 27,4	3,86	0,352	+0,22	−9.9069	+8.9091	0.5866	9.9918	....	70	ii. 641	1810	....	W 316
1671	72 45 35,9	3,86	0,498	−0,04	−9.0920	−8.7556	0.5860	9.9918	754	66	ii. 640			
1672	140 46 8,3	3,85	0,209	−0,26	−0.0148	+9.1727	0.5858	9.9918	....	....	v. 429	1825	930	
1673	124 29 48,3	3,84	0,310	+0,12	−9.9608	+9.0351	0.5843	9.9919	....	74	iii. 564	1813	929	
1674	137 12 2,3	3,84	+0,237	−0,06	−0.0065	+9.1474	0.5841	9.9919	....	....	v. 430	1821	931	
1675	172 39 50,3	3,84	−1,020	+0,33	−0.0124	+9.2781	0.5839	9.9919	....	....	.....	1921	955	
1676	27 3 59,6	3,83	+0,807	+0,01	+9.8303	−9.2301	0.5827	9.9920	745	57	iii. 563			
1677	133 41 7,7	3,82	0,260	−0,21	−9.9965	+9.1192	0.5822	9.9920	....	....	v. 431	1820	933	
1678	91 0 38,1	3,81	0,436	.....	−9.6544	+7.5249	0.5807	9.9920	757					
1679	104 4 18,0	3,77	0,393	−0,03	−9.8194	+8.6602	0.5765	9.9922	766	77	ii. 643			
1680	97 56 57,1	3,76	0,414	0,00	−9.7525	+8.4142	0.5757	9.9922	764	75	ii. 644			
1681	61 31 27,4	3,76	0,542	+0,19	+8.9385	−8.9509	0.5748	9.9922	756	72	ii. 642	....	932	M 199
1682	91 2 24,2	3,75	0,437	−0,10	−9.6549	+7.5310	0.5744	9.9923	762	76	ii. 645			
1683	55 44 47,2	3,75	0,568	−0,02	+9.2883	−9.0223	0.5741	9.9923	755	71	iii. 565			
1684	92 32 22,6	3,75	0,432	+0,02	−9.6785	+7.9179	0.5736	9.9923	765	81	ii. 647	....	....	J 119
1685	88 17 42,5	3,74	0,446	0,00	−9.6070	−7.7446	0.5733	9.9923	763	78	ii. 646			
1686	134 31 15,0	3,74	0,255	−0,22	−9.9993	+9.1160	0.5724	9.9923	....	....	v. 433	1830	937	
1687	83 47 25,7	3,73	0,461	+0,01	−9.5120	−8.3039	0.5721	9.9923	761	80	ii. 648	....	....	M 200
1688	116 50 58,4	3,73	0,345	−0,41	−9.9196	+8.9238	0.5712	9.9924	....	....	v. 434	1823	935	
1689	73 26 16,1	3,70	0,496	−0,01	−9.1329	−8.7213	0.5686	9.9925	760	....	ii. 649			
1690	55 39 27,9	3,68	0,569	+0,05	+9.2929	−9.0150	0.5658	9.9926	758	79	ii. 650			
1691	141 43 24,3	3,67	0,201	+0,08	−0.0173	+9.1571	0.5644	9.9926	....	....	v. 436	1836	942	
1692	72 10 18,1	3,62	0,501	0,00	9.0492	−8.7423	0.5585	9.9928	767	86	ii. 651	....	....	M 201
1693	129 49 18,5	3,62	0,283	+0,03	9.9837	+9.0623	0.5581	9.9928	....	95	iii. 569	1834		
1694	127 28 41,8	3,61	0,296	+0,04	9.9745	+9.0399	0.5579	9.9928	....	94	iii. 568	1833	943	
1695	68 11 44,3	3,60	0,516	−0,03	8.5740	−8.8240	0.5564	9.9929	768	88	ii. 652	....	....	M 202
1696	87 11 57,2	3,60	0,450	.....	9.5858	−7.9429	0.5561	9.9929	772					
1697	150 55 35,4	3,60	0,101	−0,40	0.0297	+9.1950	0.5557	9.9929	....	....	v. 440	1851	949	
1698	144 25 9,7	3,58	0,177	+0,33	0.0223	+9.1623	0.5543	9.9930	....	....	v. 441	1843	948	
1699	74 5 33,9	3,58	0,494	0,00	9.1691	−8.6894	0.5538	9.9930	769	89	iv. 393			
1700	87 2 18,8	3,57	0,450	+0,01	9.5827	−7.9637	0.5527	9.9930	773	91	ii. 653			
1701	74 15 27,8	3,56	0,494	+0,02	9.1781	−8.6822	0.5510	9.9931	771	90	iii. 570			
1702	72 53 24,4	3,54	0,499	+0,05	9.0976	−8.7155	0.5491	9.9931	....	92	ii. 655			
1703	73 41 19,6	3,53	0,496	.....	9.1461	−8.6934	0.5471	9.9932	774	....	ii. 656	....	....	W 321
1704	146 16 50,9	3,52	0,158	+0,40	−0.0252	+9.1639	0.5461	9.9932	....	....	.....	1853	956	
1705	32 53 30,4	3,51	0,733	+0,18	+9.7717	−9.1668	0.5449	9.9933	759	85	iii. 571			
1706	15 4 2,5	3,50	1,143	0,00	+9.9232	−9.2270	0.5444	9.9933	....	....	.....	....	....	G966, P230
1707	64 58 39,3	3,48	0,529	+0,07	+8.3692	−8.8655	0.5414	9.9934	775	98	ii. 657			
1708	102 1 52,8	3,47	0,401	+0,06	−9.7991	+8.5576	0.5408	9.9934	....	102	ii. 658	....	....	W 323
1709	60 56 19,7	3,47	0,546	+0,05	+8.9961	−8.9245	0.5403	9.9934	....	99	iii. 573			
1710	134 21 37,3	−3,44	+0,256	−0,06	−9.9996	+9.0792	−0.5369	+9.9935	....	108	iii. 575	1850	958	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1711	Tauri	7	5 21 20,23	+3,562	+0,0047	+0,001	+8.0772	+8.8459	+0.5516	+7.6200
1712	Pictoris..... θ	5½	21 23,29	1,356	+0,0029	+0,008	8.2635	9.0328	0.1322	−8.1627
1713*	Columbæ	6	21 23,55	2,407	+0,0007	+0,015	8.0974	8.8667	0.3815	−7.7501
1714	Tauri	7	21 40,23	3,612	+0,0049	+0,005	8.0791	8.8517	0.5578	+7.6591
1715	9 Leporis..... β	4	21 49,22	2,568	+0,0008	+0,004	8.0731	8.8474	0.4095	−7.6251
1716*	Orionis	7½	22 3,15	3,049	+0,0020	−0,001	8.0410	8.8180	0.4842	−6.2487
1717	31 Orionis	5	22 7,09	3,043	+0,0020	+0,003	8.0403	8.8181	0.4832	−6.3667
1718	Columbæ	6	22 16,19	2,229	+0,0007	0,000	8.1126	8.8922	0.3481	−7.8434
1719	Columbæ	6	22 16,87	1,921	+0,0010	+0,007	8.1610	8.9407	0.2835	−7.9787
1720	Pictoris.....	6	22 42,78	1,752	+0,0014	−0,026	8.1838	8.9686	0.2434	−8.0333
1721*	19 Camelopardi.....	6	22 44,45	5,782	+0,0295	−0,007	8.3920	9.1771	0.7620	+8.3458
1722	32 Orionis ..... A	5	22 45,59	3,205	+0,0026	+0,003	8.0351	8.8204	0.5059	+7.0418
1723	25 Aurigæ ..... χ	5	22 58,09	3,898	+0,0067	+0,007	8.1024	8.8902	0.5908	+7.8275
1724	Columbæ	6	23 5,75	2,063	+0,0008	+0,011	8.1286	8.9180	0.3145	−7.9117
1725	33 Orionis ..... n^1	6	23 22,47	3,144	+0,0023	+0,004	8.0263	8.8190	0.4975	+6.7695
1726	119 Tauri	5½	23 25,26	3,512	+0,0041	+0,004	8.0481	8.8413	0.5455	+7.5491
1727*	Aurigæ	7½	23 29,35	3,901	+0,0066	+0,007	8.0967	8.8908	0.5912	+7.8231
1728*	Tauri	6½	23 32,86	3,473	+0,0038	.....	8.0429	8.8377	0.5407	+7.5074
1729	Doradûs ..... λ	5½	24 9,22	0,869	+0,0054	+0,029	8.3051	9.1072	9.9391	−8.2383
1730	34 Orionis ..... δ	2	24 20,67	3,061	+0,0020	+0,005	8.0141	8.8186	0.4859	−5.8740
1731	36 Orionis ..... υ	5	24 40,70	2,899	+0,0014	+0,006	8.0137	8.8224	0.4622	−7.1246
1732	10 Leporis.....	5½	24 42,59	2,564	+0,0008	+0,003	8.0395	8.8485	0.4089	−7.5934
1733	Tauri	6½	24 43,80	3,561	+0,0042	−0,003	8.0374	8.8468	0.5516	+7.5790
1734	120 Tauri	6	24 44,48	3,511	+0,0039	+0,007	8.0321	8.8416	0.5454	+7.5320
1735*	20 Camelopardi.....	7	24 46,27	5,058	+0,0177	−0,001	8.2657	9.0755	0.7040	+8.1862
1736	Aurigæ	6	24 56,41	4,518	+0,0116	.....	8.1781	8.9900	0.6550	+8.0465
1737	35 Orionis	6½	25 23,05	3,405	+0,0034	+0,006	8.0148	8.8324	0.5321	+7.4044
1738	Pictoris.....	6	25 43,20	1,643	+0,0015	+0,024	8.1649	8.9868	0.2157	−8.0304
1739	Columbæ ..... ε	4	25 53,31	2,125	+0,0007	+0,006	8.0848	8.9089	0.3273	−7.8496
1740	Pictoris.....	5½	26 2,83	1,643	+0,0016	+0,037	8.1608	8.9869	0.2157	−8.0262
1741	11 Leporis..... α	3½	26 6,98	2,643	+0,0009	+0,005	8.0138	8.8408	0.4220	−7.5022
1742	121 Tauri	6	26 17,65	3,658	+0,0046	+0,005	8.0289	8.8582	0.5632	+7.6371
1743	38 Orionis ..... n^2	6	26 23,31	3,155	+0,0022	+0,003	7.9895	8.8201	0.4990	+6.7946
1744*	22 Camelopardi.....	6	26 25,29	5,051	+0,0168	−0,005	8.2437	9.0747	0.7034	+8.1636
1745	Pictoris.....	6	26 29,64	1,862	+0,0010	−0,028	8.1191	8.9510	0.2700	−7.9481
1746	Tauri	6½	26 30,81	3,761	+0,0052	−0,001	8.0394	8.8716	0.5753	+7.7046
1747*	21 Camelopardi.....	6½	26 34,29	5,543	+0,0230	−0,019	8.3126	9.1456	0.7438	+8.2579
1748	37 Orionis ..... φ^1	4½	26 35,26	3,289	+0,0027	+0,002	7.9919	8.8251	0.5171	+7.2042
1749	39 Orionis ..... λ	4	26 52,73	3,300	+0,0027	+0,002	7.9887	8.8258	0.5185	+7.2210
1750	Pictoris.....	6	27 20,51	1,698	+0,0014	−0,008	8.1348	8.9780	0.2300	−7.9920
1751*	Camelopardi.....	5½	27 24,77	5,989	+0,0289	.....	8.3593	9.2035	0.7774	+8.3187
1752*	Orionis	7	27 42,23	2,929	+0,0014	−0,008	7.9739	8.8221	0.4667	−7.0007
1753	Columbæ	6	27 45,96	2,135	+0,0006	+0,022	8.0586	8.9076	0.3294	−7.8198
1754	Tauri	7	27 47,03	+3,740	+0,0049	+0,011	8.0198	8.8691	+0.5729	+7.6743
1755	Doradûs	6	5 27 47,18	−0,332	+0,0149	−0,032	+8.4109	+9.2601	−9.5206	−8.3803

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1711	69 34 22,7	−3,37	+0,512	+0,08	−8.7966	−8.7679	−0.5273	+9.9938	....	106	iii. 576			
1712	142 27 3,0	3,36	0,195	+0,20	−0.0196	+9.1237	0.5267	9.9938	....	....	.....	1863	962	
1713	116 42 51,8	3,36	0,346	+0,34	−9.9195	+8.8772	0.5267	9.9938	....	....	v. 444	1849	959	
1714	67 39 29,4	3,34	0,520	−0,08	−8.4249	−8.8013	0.5235	9.9939	....	107	iii. 577			
1715	110 52 56,3	3,33	0,369	+0,08	−9.8791	+8.7716	0.5219	9.9940	781	113	ii. 659	....	....	M 204
1716	90 55 27,6	3,31	0,439	+0,06	−9.6530	+7.4248	0.5192	9.9940	778	111	iv. 401			
1717	91 12 53,8	3,30	0,438	+0,04	−9.6578	+7.5427	0.5185	9.9940	779	112	iii. 579	....	....	J 121, P 234
1718	122 32 38,1	3,29	0,321	+0,28	−9.9526	+8.9453	0.5168	9.9941	....	....	v. 446	1855	963	
1719	131 4 34,3	3,29	0,276	−0,04	−9.9891	+9.0320	0.5166	9.9941	....	122	iii. 580	1862		
1720	134 59 33,9	3,25	0,252	+0,29	−0.0020	+9.0589	0.5117	9.9942	....	....	v. 447	1872	965	
1721	25 57 4,0	3,25	0,832	+0,04	+9.8435	−9.1630	0.5114	9.9942	770	103	iii. 578			
1722	84 10 14,5	3,24	0,461	+0,02	−9.5205	−8.2157	0.5111	9.9942	780	116	ii. 662			
1723	57 55 26,1	3,23	0,561	−0,04	+9.1942	−8.9316	0.5087	9.9943	776	114	ii. 661	....	....	M 203
1724	127 21 31,5	3,22	0,297	−0,05	−9.9749	+8.9881	0.5072	9.9944	....	124	v. 448	1868	966	
1725	86 49 35,3	3,19	0,453	+0,01	−9.5782	−7.9450	0.5040	9.9944	784	123	iii. 584			
1726	71 31 19,4	3,19	0,506	−0,01	−8.9943	−8.7022	0.5034	9.9944	783	119	iii. 582			
1727	57 49 27,3	3,18	0,562	+0,05	+9.2000	−8.9267	0.5026	9.9945	....	118	iii. 581			
1728	73 3 33,5	3,18	0,500	.....	−9.1052	−8.6642	0.5019	9.9945	....	....	.....	....	....	B.F 727
1729	149 2 23,5	3,12	0,125	−0,06	−0.0295	+9.1257	0.4947	9.9947	....	....	.....	1885	969	
1730	90 24 52,4	3,11	0,441	+0,04	−9.6446	+7.0501	0.4924	9.9947	787	126	ii. 665	....	968	M 206
1731	97 24 58,8	3,08	0,418	+0,01	−9.7465	+8.2970	0.4884	9.9948	789	130	ii. 668	....	....	J 123
1732	110 58 42,1	3,08	0,370	+0,03	−9.8802	+8.7397	0.4880	9.9948	791	133	ii. 669			
1733	69 38 18,5	3,07	0,513	+0,10	−8.7993	−8.7270	0.4877	9.9948	....	125	ii. 666	....	....	M 205
1734	71 34 16,1	3,07	0,506	−0,06	−8.9970	−8.6852	0.4876	9.9948	786	127	ii. 667			
1735	33 36 59,9	3,07	0,729	+0,02	+9.7654	−9.1055	0.4872	9.9949	777	120	iii. 585			
1736	42 23 25,6	3,06	0,651	.....	+9.6409	−9.0513	0.4852	9.9949	....	....	.....	....	....	G 987
1737	75 48 18,3	3,02	0,491	+0,03	−9.2512	−8.5670	0.4797	9.9950	788	132	ii. 670	....	....	M 207
1738	137 11 32,3	2,99	0,237	−0,09	−0.0087	+9.0387	0.4755	9.9951	....	....	v. 449	1886	972	
1739	125 35 2,4	2,97	0,306	+0,12	−9.9677	+8.9360	0.4733	9.9952	....	140	ii. 672	1883	970	J 124, P 239
1740	137 11 19,8	2,96	0,237	+0,38	−0.0088	+9.0346	0.4713	9.9952	....	....	v. 451	1888	973	
1741	107 56 0,9	2,95	0,381	−0,01	−9.8558	+8.6566	0.4704	9.9952	796	139	ii. 673	....	....	M 208
1742	66 3 54,7	2,94	0,528	+0,02	+7.6721	−8.7742	0.4682	9.9953	790	135	ii. 671			
1743	86 20 24,9	2,93	0,455	+0,03	−9.5681	−7.9698	0.4670	9.9953	793	137	ii. 675			
1744	33 43 57,7	2,93	0,729	+0,12	+9.7647	−9.0843	0.4666	9.9953	785	129	iii. 587	....	....	G 989
1745	132 24 55,8	2,92	0,269	0,00	−9.9946	+8.9924	0.4656	9.9953	....	....	v. 453	1889	976	
1746	62 26 25,0	2,92	0,543	+0,06	+8.8633	−8.8284	0.4654	9.9954	....	136	ii. 674	....	....	W 330
1747	28 8 51,1	2,92	0,800	−0,03	+9.8246	−9.1077	0.4646	9.9954	782	128	iii. 588	....	....	G 988
1748	80 37 0,9	2,91	0,475	+0,02	−9.4264	−8.3745	0.4644	9.9954	792	138	ii. 676			
1749	80 10 18,4	2,89	0,476	+0,04	−9.4128	−8.3906	0.4606	9.9955	794	141	ii. 677			
1750	136 2 14,3	2,85	0,245	−0,08	−0.0060	+9.0095	0.4546	9.9956	....	157	v. 454	1896	978	
1751	24 23 38,8	2,84	0,865	.....	+9.8588	−9.1108	0.4536	9.9956	....	....	.....	....	....	Wol. v. 12
1752	96 6 21,5	2,82	0,423	.....	−9.7298	+8.1744	0.4498	9.9957	801					
1753	125 14 49,9	2,81	0,308	+0,17	−9.9665	+8.9080	0.4489	9.9957	....	158	iii. 591	1890	979	
1754	63 10 25,6	2,81	+0,540	−0,05	+8.7745	−8.8009	0.4487	9.9957	....	145	ii. 678	....	....	W 332
1755	158 44 19,0	−2,81	−0,048	−0,18	−0.0335	+9.1158	−0.4486	+9.9957	....	....	.....	1920	983	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1756*	Columbæ	5	5 27 47,53	+2,013	+0,0008	.....	+8.0775	+8.9268	+0.3038	−7.8728
1757	Columbæ	6	27 51,67	2,164	+0,0006	+0,013	8.0529	8.9032	0.3352	−7.8050
1758	41 Orionis ..... θ^1	6	27 54,47	2,943	+0,0014	+0,004	7.9707	8.8216	0.4688	−6.9517
1759	42 Orionis ..... e	5	27 59,34	2,956	+0,0015	+0,002	7.9692	8.8213	0.4707	−6.9045
1760	43 Orionis ..... θ^2	6	28 0,93	2,943	+0,0014	+0,002	7.9693	8.8217	0.4688	−6.9524
1761*	Columbæ	6	28 5,59	2,308	+0,0006	.....	8.0285	8.8820	0.3632	−7.7269
1762	44 Orionis i	3½	28 5,91	2,931	+0,0014	+0,005	7.9685	8.8221	0.4670	−6.9887
1763	45 Orionis	6½	28 15,71	2,956	+0,0015	+0,004	7.9655	8.8214	0.4707	−6.9023
1764	122 Tauri	6	28 21,68	3,474	+0,0033	+0,008	7.9818	8.8390	0.5408	+7.4464
1765	46 Orionis ..... ε	2½	28 36,22	3,041	+0,0017	+0,003	7.9594	8.8199	0.4830	−6.3159
1766*	40 Orionis ..... φ^2	4½	28 39,99	3,285	+0,0025	+0,008	7.9640	8.8255	0.5166	+7.1680
1767	123 Tauri ..... ζ	3½	28 40,99	3,580	+0,0038	+0,005	7.9881	8.8498	0.5539	+7.5434
1768*	26 Aurigæ	5	29 0,15	3,848	+0,0053	−0,002	8.0180	8.8841	0.5852	+7.7221
1769*	Aurigæ	6	29 10,74	4,856	+0,0134	+0,007	8.1761	9.0448	0.6863	+8.0808
1770	Doradûs	5½	29 20,82	0,350	+0,0081	−0,018	8.3076	9.1787	9.5435	−8.2614
1771*	Columbæ	6	29 44,27	2,204	+0,0006	−0,009	8.0207	8.8974	0.3432	−7.7589
1772*	Aurigæ	6	29 46,19	3,809	+0,0049	.....	8.0016	8.8788	0.5808	+7.6889
1773*	Columbæ	6	29 57,46	2,198	+0,0006	−0,008	8.0185	8.8984	0.3419	−7.7589
1774*	Tauri	6½	30 8,36	3,640	+0,0040	+0,003	7.9743	8.8569	0.5611	+7.5703
1775*	Columbæ	6	30 18,23	2,342	+0,0006	0,000	7.9926	8.8776	0.3695	−7.6755
1776*	24 Camelopardi	6	30 18,53	5,073	+0,0151	+0,003	8.1932	9.0783	0.7053	+8.1143
1777	23 Camelopardi	6	30 20,55	5,502	+0,0200	−0,008	8.2545	9.1401	0.7405	+8.1980
1778	125 Tauri	6	30 26,62	3,712	+0,0042	+0,006	7.9788	8.8659	0.5696	+7.6177
1779	Pictoris	6	30 46,41	1,176	+0,0029	+0,007	8.1698	9.0618	0.0706	−8.0832
1780	48 Orionis ..... σ	4	31 13,08	3,008	+0,0014	+0,002	7.9222	8.8210	0.4783	−6.5938
1781	Columbæ	6	31 15,24	2,136	+0,0006	−0,024	8.0086	8.9080	0.3297	−7.7689
1782	47 Orionis ..... ω	6	31 16,21	3,164	+0,0019	+0,006	7.9220	8.8216	0.5003	+7.6690
1783	Columbæ	6	31 21,23	2,366	+0,0006	+0,011	7.9736	8.8744	0.3741	−7.6446
1784*	25 Camelopardi	6½	31 34,64	4,950	+0,0132	+0,005	8.1554	9.0597	0.6946	+8.0676
1785*	49 Orionis ..... d	5	31 37,75	2,901	+0,0012	+0,001	7.9190	8.8241	0.4625	−7.0231
1786*	Columbæ	6	31 47,61	2,344	+0,0006	.....	7.9700	8.8776	0.3699	−7.6516
1787	Columbæ	6	31 53,27	2,342	+0,0006	−0,003	7.9688	8.8779	0.3695	−7.6514
1788	Pictoris	6	31 58,96	1,627	+0,0013	+0,005	8.0796	8.9902	0.2114	−7.9466
1789	Orionis	6	32 2,89	2,986	+0,0014	+0,005	7.9100	8.8216	0.4751	−6.7141
1790	Doradûs	6	32 8,29	0,310	+0,0075	−0,032	8.2709	9.1839	9.4915	−8.2258
1791	Doradûs ..... β	4	32 19,75	0,511	+0,0061	−0,005	8.2416	9.1576	9.7086	−8.1899
1792	126 Tauri	5½	32 37,69	3,463	+0,0029	+0,005	7.9182	8.8390	0.5394	+7.3703
1793	Tauri	7	32 59,92	3,623	+0,0035	−0,009	7.9287	8.8555	0.5590	+7.5131
1794	50 Orionis ..... ζ	2	33 11,57	3,024	+0,0014	+0,006	7.8913	8.8212	0.4805	−6.4398
1795	Doradûs	6	33 19,50	0,648	+0,0052	.....	8.2070	9.1391	9.8117	−8.1499
1796*	Tauri	8	33 39,46	3,526	+0,0030	+0,007	7.9075	8.8451	0.5472	+7.4181
1797*	26 Camelopardi	5½	33 51,78	5,043	+0,0130	+0,001	8.1330	9.0740	0.7027	+8.0518
1798	Columbæ	6	33 54,74	1,924	+0,0008	+0,003	8.0001	8.9420	0.2843	−7.8153
1799	127 Tauri	7½	34 4,77	3,526	+0,0029	+0,007	7.9005	8.8452	0.5472	+7.4110
1800*	28 Camelopardi	6½	5 34 7,06	+5,105	+0,0135	+0,007	+8.1380	+9.0833	+0.7080	+8.0609

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
1756	128 37 21,5	−2,81	+0,291	.....	−9.9809	+8.9417	−0.4486	+9.9957	....	....	.....	1895		
1757	124 24 43,2	2,80	0,313	+0,08	−9.9627	+8.8976	0.4476	9.9957	....	159	iii. 592	1892	980	
1758	95 29 35,3	2,80	0,425	−0,02	−9.7217	+8.1258	0.4470	9.9957	802	147	ii. 679			
1759	94 56 30,2	2,79	0,427	+0,01	−9.7140	+8.0789	0.4459	9.9958	803	149	ii. 680	....	....	J 126
1760	95 31 11,1	2,79	0,425	+0,01	−9.7221	+8.1265	0.4456	9.9958	804	150	ii. 681			
1761	119 57 18,2	2,78	0,333	.....	−9.9398	+8.8407	0.4445	9.9958	....	....	.....	....	....	B.F 759
1762	96 0 45,2	2,78	0,423	+0,01	−9.7286	+8.1624	0.4444	9.9958	806	151	ii. 682	....	....	J 127
1763	94 57 33,9	2,77	0,427	+0,04	−9.7143	+8.0768	0.4422	9.9958	807	154	iii. 593			
1764	73 3 24,0	2,76	0,502	0,00	−9.1018	−8.6032	0.4409	9.9959	798	148	ii. 683			
1765	91 18 6,5	2,74	0,439	+0,01	−9.6594	+7.4919	0.4376	9.9959	809	160	ii. 686	....	....	M 210
1766	80 47 43,9	2,73	0,475	+0,31	−9.4312	−8.3385	0.4367	9.9959	805	156	ii. 685	....	....	A 127
1767	68 57 13,3	2,73	0,517	+0,02	−8.6920	−8.6895	0.4365	9.9959	800	152	ii. 684	....	....	M 209
1768	59 36 9,2	2,70	0,556	+0,01	+9.1042	−8.8340	0.4320	9.9960	799	155	ii. 687			
1769	36 34 50,2	2,69	0,702	0,00	+9.7301	−9.0321	0.4296	9.9961	....	146	iv. 407	....	....	G 995
1770	154 2 12,2	2,67	0,051	−0,55	−0.0338	+9.0788	0.4272	9.9961	....	....	.....	1922	988	
1771	123 10 58,9	2,64	0,319	−0,15	−9.9570	+8.8577	0.4217	9.9962	....	....	v. 457	1902	986	
1772	60 52 35,4	2,64	0,551	.....	+9.0145	−8.8063	0.4212	9.9962	....	....	.....	....	....	B.F 747
1773	123 22 20,7	2,62	0,318	−0,30	−9.9580	+8.8567	0.4185	9.9963	....	....	v. 458	1904	987	
1774	66 46 5,4	2,61	0,526	+0,03	−7.8865	−8.7097	0.4159	9.9963	....	164	iii. 599			
1775	118 48 19,5	2,59	0,339	+0,02	−9.9335	+8.7942	0.4135	9.9963	....	169	v. 459	1905	990	W 336
1776	33 30 16,0	2,59	0,734	0,00	+9.7689	−9.0323	0.4135	9.9964	797	161	iii. 598	....	....	G 1003
1777	28 36 20,6	2,59	0,796	−0,03	+9.8214	−9.0542	0.4130	9.9964	795	153	iii. 597			
1778	64 11 31,9	2,58	0,537	+0,01	+8.6128	−8.7481	0.4115	9.9964	810	165	ii. 688	....	....	M 211
1779	145 0 15,7	2,55	0,170	+0,01	−0.0259	+9.0178	0.4066	9.9965	....	....	v. 461	1923	994	
1780	92 41 28,2	2,51	0,435	+0,01	−9.6813	+7.7695	0.4000	9.9966	814	172	ii. 690	....	....	M 212
1781	125 9 30,8	2,51	0,309	−0,06	−9.9667	+8.8576	0.3995	9.9966	....	....	v. 462	1914	995	
1782	85 58 6,7	2,51	0,458	−0,01	−9.5600	−7.9440	0.3992	9.9966	813	171	iii. 602			
1783	117 57 41,2	2,50	0,342	+0,03	−9.9287	+8.7668	0.3980	9.9966	....	177	iii. 603	1911	996	
1784	35 12 52,6	2,48	0,716	−0,01	+9.7486	−9.0046	0.3946	9.9967	808	166	iii. 601	....	....	G 1005
1785	97 18 3,4	2,48	0,420	+0,06	−9.7455	+8.1957	0.3938	9.9967	816	176	ii. 693	....	....	J 130
1786	118 42 57,9	2,46	0,339	.....	−9.9332	+8.7707	0.3913	9.9967	....	181	v. 463	....	997	
1787	118 46 59,4	2,45	0,339	−0,05	−9.9336	+8.7702	0.3898	9.9967	....	183	ii. 695	1915	998	B.F 769
1788	137 24 31,2	2,45	0,236	+0,16	−0.0105	+8.9532	0.3884	9.9968	....	....	v. 464	1930	999	
1789	93 39 7,0	2,44	0,432	−0,02	−9.6957	+7.8893	0.3874	9.9968	....	178	ii. 694	....	....	W 339
1790	154 19 27,3	2,43	0,045	−0,29	−0.0345	+9.0386	0.3860	9.9968	....	....	.....	1949	1002	
1791	152 35 20,0	2,42	0,074	−0,03	−0.0339	+9.0291	0.3830	9.9968	....	....	ii. 697	1948	1003	J 131
1792	73 32 52,9	2,39	0,501	−0,02	−9.1303	−8.5282	0.3783	9.9969	817	180	ii. 696			
1793	67 25 10,7	2,36	0,525	0,00	−8.2878	−8.6545	0.3724	9.9970	....	184	iii. 604			
1794	92 1 35,4	2,34	0,438	+0,01	−9.6710	+7.6156	0.3693	9.9970	819	188	ii. 698	....	....	M 213
1795	151 16 6,9	2,33	0,094	.....	−0.0332	+9.0079	0.3672	9.9971	....	....	v. 466	....	1006	
1796	71 5 30,7	2,30	0,511	+0,17	−8.9474	+8.5701	0.3617	9.9971	818	189	iv. 416			
1797	33 57 13,1	2,28	0,731	+0,03	+9.7647	−8.9749	0.3584	9.9972	811	179	iii. 606	....	....	G 1013
1798	130 47 40,5	2,28	0,279	+0,04	−9.9902	+8.8705	0.3575	9.9972	....	195	iii. 611	1941	1007	
1799	71 5 50,6	2,26	0,511	+0,02	−8.9479	−8.5630	0.3548	9.9972	820	191	iii. 609			
1800	33 8 44,5	−2,26	+0,740	+0,03	+9.7742	−8.9748	−0.3541	+9.9972	812	182	iii. 607	....	....	G 1015

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1801	Tauri	7	5 34 13,09	+3,638	+0,0034	+0,002	+7.9105	+8.8575	+0.5609	+7.5047
1802*	Columbæ .....α	2	34 13,21	2,169	+0,0005	+0,008	7.9563	8.9034	0.3363	−7.7056
1803	Columbæ	6	34 17,26	2,217	+0,0004	+0,004	7.9480	8.8962	0.3458	−7.6807
1804	27 Aurigæ .....o	5½	34 17,83	4,640	+0,0095	+0,010	8.0625	9.0109	0.6665	+7.9452
1805*	Tauri	7	34 27,37	3,404	+0,0024	0,000	7.8834	8.8345	0.5320	+7.2701
1806	51 Orionis .....b	6	34 43,36	3,103	+0,0015	+0,001	7.8657	8.8214	0.4918	+6.2531
1807	12 Leporis	6	35 55,33	2,521	+0,0005	0,000	7.8788	8.8557	0.4016	−7.4607
1808*	Tauri	7½	35 57,04	3,427	+0,0024	+0,011	7.8591	8.8366	0.5349	+7.2719
1809	Columbæ	6	35 58,26	2,191	+0,0004	+0,022	7.9225	8.9003	0.3407	−7.6641
1810	128 Tauri	6	36 14,79	3,452	+0,0024	+0,003	7.8559	8.8388	0.5381	+7.2967
1811	Tauri.....	7	36 23,20	3,519	+0,0027	−0,001	7.8595	8.8450	0.5464	+7.3640
1812	Columbæ	6	36 28,79	2,284	+0,0005	+0,003	7.8996	8.8868	0.3586	−7.6065
1813*	Camelopardi.....	6	36 48,40	6,433	+0,0257	.....	8.2627	9.2560	0.8084	+8.2311
1814	Columbæ	6	36 52,91	+2,148	+0,0004	+0,015	7.9122	8.9070	+0.3320	−7.6681
1815	Doradûs	6	36 53,53	−0,010	+0,0083	−0,087	8.2286	9.2236	−8.0000	−8.1915
1816	Orionis	7	37 7,00	+3,162	+0,0015	+0,007	7.8236	8.8228	+0.5000	+6.6606
1817*	Columbæ	6	37 46,17	2,190	+0,0004	+0,015	7.8889	8.9008	0.3404	−7.6307
1818*	29 Camelopardi.....	5½	37 46,19	+5,109	+0,0116	−0,009	8.0723	9.0842	+0.7083	+7.9952
1819	Mensæ .....γ	5½	37 49,43	−2,450	+0,0323	−0,016	8.4391	9.4520	−0.3891	−8.4268
1820	Tauri	7	38 2,05	+3,561	+0,0026	−0,003	7.8324	8.8495	+0.5515	+7.3710
1821	129 Tauri	6	38 8,11	3,446	+0,0022	+0,005	7.8195	8.8386	0.5373	+7.2534
1822*	Leporis	7	38 11,52	2,520	+0,0004	−0,007	7.8360	8.8562	0.4014	−7.4183
1823	13 Leporis .....γ	4	38 12,71	2,519	+0,0004	−0,019	7.8357	8.8563	0.4013	−7.4185
1824*	28 Aurigæ	6½	38 26,07	4,167	+0,0051	+0,003	7.9093	8.9344	0.6198	+7.7126
1825*	Columbæ	6	38 33,37	1,974	+0,0005	+0,009	7.9068	8.9345	0.2954	−7.7101
1826*	Orionis	6	38 37	3,293	+0,0017	.....	7.7991	8.8280	0.5175	+7.0152
1827	131 Tauri	6	38 40,61	3,413	+0,0021	+0,004	7.8059	8.8360	0.5332	+7.2023
1828	130 Tauri	6	38 41,51	3,495	+0,0023	+0,001	7.8126	8.8430	0.5434	+7.2948
1829	Tauri	7	38 43,37	3,681	+0,0030	−0,001	7.8324	8.8635	0.5660	+7.4523
1830	29 Aurigæ .....τ	5	38 46,97	4,153	+0,0050	0,000	7.9000	8.9323	0.6184	+7.7001
1831	Orionis	6	38 51,11	3,096	+0,0013	+0,005	7.7885	8.8221	0.4909	+6.0765
1832	Aurigæ	6	39 0,61	4,742	+0,0084	.....	7.9906	9.0276	0.6760	+7.8839
1833	30 Camelopardi.....	6	39 4,03	5,279	+0,0122	+0,003	8.0710	9.1092	0.7225	+8.0037
1834	133 Tauri	6	39 12,61	3,399	+0,0019	+0,006	7.7938	8.8349	0.5313	+7.1726
1835*	Tauri	6½	39 25,39	3,577	+0,0025	−0,005	7.8058	8.8515	0.5535	+7.3564
1836	Pictoris.....	6	39 26,14	1,696	+0,0009	+0,014	7.9338	8.9797	0.2295	−7.7900
1837	132 Tauri	5	39 48,80	+3,678	+0,0028	+0,005	7.8093	8.8632	+0.5656	+7.4272
1838*	Doradûs	neb.	39 51,82	−0,427	+0,0100	+0,387	8.2159	9.2709	−9.6301	−8.1864
1839	52 Orionis	6	39 56,86	+3,220	+0,0014	+0,007	7.7681	8.8250	+0.5079	+6.8150
1840	14 Leporis .....ζ	4½	40 9,70	2,717	+0,0006	+0,003	7.7755	8.8371	0.4340	−7.1852
1841	Columbæ .....μ	5½	40 25,57	2,226	+0,0003	+0,005	7.8282	8.8957	0.3476	−7.5568
1842	Columbæ	6	40 27,61	1,977	+0,0005	−0,001	7.8660	8.9342	0.2961	−7.6683
1843	53 Orionis x	3	40 38,64	2,842	+0,0007	+0,004	7.7563	8.8287	0.4537	−6.9841
1844	31 Aurigæ .....υ	5½	40 48,72	4,084	+0,0042	+0,006	7.8454	8.9215	0.6111	+7.6274
1845	32 Aurigæ .....ν	5	5 41 5,72	+4,153	+0,0045	+0,003	+7.8499	+8.9325	+0.6184	+7.6497

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1801	66 52 18,5	−2,25	+0,527	0,00	−7.9445	−8.6444	−0.3524	+9.9973	....	192	iii. 610	....	....	B.F 765
1802	124 9 27,9	2,25	0,314	0,00	−9.9624	+8.7995	0.3524	9.9973	....	196	ii. 699	1938	1010	B.F 776
1803	122 42 38,0	2,25	0,321	−0,04	−9.9553	+8.7818	0.3513	9.9973	....	197	iii. 612	1936	1011	B.F 775
1804	40 14 49,9	2,24	0,673	+0,08	+9.6795	−8.9316	0.3511	9.9973	815	186	iii. 608			
1805	75 53 55,9	2,23	0,493	.....	−9.2524	−8.4329	0.3484	9.9973	823	....	ii. 701			
1806	88 36 7,4	2,21	0,450	+0,01	−9.6123	−7.4290	0.3439	9.9974	822	194	ii. 700			
1807	112 27 0,9	2,10	0,366	−0,01	−9.8926	+8.6026	0.3229	9.9976	828	204	ii. 702			
1808	75 0 28,3	2,10	0,497	+0,05	−9.2093	−8.4329	0.3223	9.9976	824	....	.....	....	....	A 128
1809	123 28 38,2	2,10	0,318	−0,04	−9.9593	+8.7614	0.3220	9.9976	....	205	iii. 614	1955	1015	
1810	73 58 56,2	2,08	0,501	−0,08	−9.1541	−8.4556	0.3170	9.9977	826	201	ii. 703			
1811	71 21 55,2	2,06	0,511	+0,03	−8.9704	−8.5167	0.3144	9.9977	....	202	iii. 615	....	....	M 214
1812	120 36 39,9	2,06	0,331	−0,04	−9.9445	+8.7174	0.3127	9.9977	....	207	iii. 616	1962	1017	
1813	21 35 5,3	2,03	0,933	.....	+9.8840	−8.9729	0.3067	9.9978	....	....	.....	....	....	Wol. iv. 9
1814	124 44 42,9	2,02	+0,312	+0,03	−9.9655	+8.7589	0.3053	9.9978	....	211	iii. 618	1964	1019	B.F 788
1815	156 38 44,4	2,02	−0,002	+0,10	−0.0356	+8.9657	0.3051	9.9978	....	....	.....	1985	1023	
1816	86 3 35,0	2,00	+0,459	+0,04	−9.5617	−7.8357	0.3008	9.9978	....	206	iii. 617			
1817	123 29 47,3	1,94	0,318	0,00	−9.9596	+8.7279	0.2883	9.9980	....	217	iii. 621	1968	1022	
1818	33 8 17,7	1,94	+0,742	0,00	+9.7754	−8.9090	0.2883	9.9980	821	203	iii. 619	....	....	G 1020
1819	166 26 47,2	1,94	−0,356	+0,04	−0.0291	+8.9727	0.2872	9.9980	....	....	.....	2027	1032	
1820	69 46 58,8	1,92	+0,517	+0,11	−8.8007	−8.5194	0.2831	9.9980	....	210	iii. 620	....	....	M 215
1821	74 14 26,4	1,91	0,500	−0,02	−9.1682	−8.4128	0.2811	9.9980	830	212	ii. 704			
1822	112 28 26,4	1,91	0,366	.....	−9.8929	+8.5601	0.2800	9.9980	836	....	.....	....	....	A 129
1823	112 30 0,7	1,90	0,366	+0,35	−9.8932	+8.5602	0.2796	9.9980	837	219	ii. 705	....	....	M 220
1824	50 31 21,0	1,88	0,605	−0,07	+9.4742	−8.7762	0.2752	9.9981	827	209	iii. 622	....	....	G 1023
1825	129 28 35,3	1,87	0,287	+0,02	−9.9859	+8.7738	0.2727	9.9981	....	224	iii. 626	1973	1026	
1826	80 32	1,87	0,478	.....	−9.4219	−8.1854	0.2715	9.9981	....	....	.....	....	....	A
1827	75 34 22,3	1,86	0,496	+0,09	−9.2360	−8.3645	0.2703	9.9981	833	216	ii. 707			
1828	72 19 55,9	1,86	0,508	0,00	−9.0465	−8.4499	0.2700	9.9981	832	215	ii. 706	....	....	M 217
1829	65 22 20,4	1,86	0,535	−0,28	+8.3096	−8.5870	0.2693	9.9981	....	214	iii. 625	....	....	M216,A131
1830	50 52 35,8	1,85	0,603	+0,06	+9.4648	−8.7659	0.2681	9.9981	829	213	iii. 623			
1831	88 53 16,2	1,85	0,450	+0,09	−9.6176	−7.2525	0.2667	9.9982	....	220	iii. 627			
1832	38 32 16,7	1,83	0,689	.....	+9.7063	−8.8545	0.2634	9.9982	....	....	.....	....	....	G 1024
1833	31 5 12,4	1,83	0,767	−0,05	+9.7984	−8.8927	0.2623	9.9982	825	208	iii. 624			
1834	76 9 35,9	1,82	0,494	+0,01	−9.2629	−8.3359	0.2593	9.9982	834	221	ii. 708			
1835	69 11 17,9	1,80	0,520	+0,11	−8.7135	−8.5032	0.2548	9.9983	....	222	iii. 628	....	....	B.F 782
1836	135 54 21,1	1,80	0,246	+0,28	−0.0075	+8.8086	0.2546	9.9983	....	231	v. 474	1981	1029	
1837	65 29 17,2	1,76	+0,534	+0,01	+8.2672	−8.5623	0.2465	9.9983	835	223	ii. 709	....	1027	M 219
1838	159 9 7,9	1,76	−0,062	−3,31	−0.0356	+8.9138	0.2455	9.9983	....	....	.....	2007	1038	
1839	83 36 10,5	1,75	+0,468	+0,06	−9.5056	−7.9884	0.2437	9.9983	841	227	ii. 710			
1840	104 52 55,7	1,73	0,395	+0,01	−9.8295	+8.3464	0.2390	9.9984	843	230	ii. 711	....	....	J 135
1841	122 21 59,8	1,71	0,324	+0,04	−9.9542	+8.6596	0.2332	9.9984	....	238	iii. 631	1982	1035	J136,P258
1842	129 22 34,8	1,71	0,287	+0,03	−9.9857	+8.7326	0.2324	9.9984	....	....	v. 478	1986	1036	
1843	99 43 38,6	1,69	0,413	+0,03	−9.7753	+8.1539	0.2283	9.9985	844	234	ii. 713	....	....	M 222
1844	52 44 37,3	1,68	0,594	+0,03	+9.4115	−8.7044	0.2246	9.9985	839	228	iii. 630			
1845	50 54 6,0	−1,65	+0,604	−0,03	+9.4649	−8.7157	−0.2181	+9.9985	840	229	ii. 714			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1846	134 Tauri	5½	5 41 7,59	+3,368	+0,0017	+0,004	+7.7497	+8.8330	+0.5274	+7.0884
1847	Columbæ	6	41 27,68	2,092	+0,0004	−0,007	7.8250	8.9161	0.3206	−7.5972
1848	Tauri	7	41 31,14	3,777	+0,0029	+0,005	7.7837	8.8762	0.5771	+7.4541
1849	31 Camelopardi.....	5	41 31,95	5,365	+0,0113	0,000	8.0287	9.1215	0.7295	+7.9656
1850	Aurigæ	6½	41 39,58	3,906	+0,0033	+0,025	7.7986	8.8945	0.5917	+7.5237
1851	Orionis	6	41 47,02	3,301	+0,0015	+0,007	7.7302	8.8290	0.5187	+6.9619
1852	135 Tauri	6	41 56,98	3,409	+0,0018	+0,004	7.7333	8.8362	0.5327	+7.1247
1853	Tauri	7	42 16,34	3,413	+0,0018	+0,009	7.7258	8.8365	0.5331	+7.1213
1854*	30 Aurigæ ..... ξ	5	42 16,53	5,022	+0,0086	−0,003	7.9606	9.0713	0.7009	+7.8774
1855	Pictoris	5	42 19,03	1,658	+0,0008	+0,009	7.8743	8.9860	0.2197	−7.7359
1856	Tauri	7	42 20,29	3,403	+0,0017	+0,005	7.7234	8.8357	0.5319	+7.1071
1857	Aurigæ	6	42 44,44	3,966	+0,0033	+0,003	7.7811	8.9035	0.5983	+7.5272
1858	Columbæ	6	42 46,77	1,885	+0,0005	+0,005	7.8259	8.9492	0.2753	−7.6484
1859*	Columbæ	6	42 50,99	2,189	+0,0003	−0,016	7.7763	8.9015	0.3403	−7.5179
1860	Leporis	6	43 37,82	2,504	+0,0004	+0,007	7.7135	8.8588	0.3986	−7.3057
1861	Pictoris ..... β	4½	43 43,82	1,417	+0,0011	−0,001	7.8770	9.0251	0.1512	−7.7683
1862	137 Tauri	6	43 51,23	3,406	+0,0016	+0,004	7.6848	8.8362	0.5323	+7.0723
1863	136 Tauri	4½	43 54,09	3,767	+0,0025	+0,004	7.7225	8.8752	0.5760	+7.3880
1864*	55 Orionis	6	44 7,63	2,894	+0,0006	+0,003	7.6678	8.8267	0.4614	−6.7871
1865	Columbæ	6	44 11,17	2,280	+0,0003	−0,037	7.7278	8.8883	0.3579	−7.4354
1866	Aurigæ	6	44 19,15	4,764	+0,0063	.....	7.8672	9.0313	0.6780	+7.7624
1867*	Orionis	7½	44 24,31	3,563	+0,0019	+0,008	7.6841	8.8506	0.5518	+7.2235
1868	Doradûs ..... δ	4½	44 30,50	0,103	+0,0050	−0,026	8.0407	9.2101	9.0145	−8.cc07
1869	56 Orionis	5½	44 39,46	+3,113	+0,0010	+0,007	7.6495	8.8232	+0.4932	+6.1500
1870*	Mensæ ..... ι	5½	44 50,23	−3,722	+0,0353	.....	8.3593	9.5381	−0.5708	−8.3511
1871	15 Leporis ..... δ	5	44 52,20	+2,561	+0,0004	+0,017	7.6728	8.8525	+0.4085	−7.2251
1872*	Aurigæ	7	45 6,59	5,021	+0,0072	+0,007	7.8846	9.0712	0.7008	+7.8012
1873	Pictoris	6	45 12,35	1,740	+0,0006	−0,035	7.7835	8.9729	0.2406	−7.6324
1874	Camelopardi.....	6	45 14,10	6,212	+0,0147	−0,031	8.0406	9.2310	0.7933	+8.0046
1875	Aurigæ	6½	45 14,81	3,894	+0,0027	−0,002	7.7024	8.8931	0.5904	+7.4226
1876	54 Orionis ..... χ^1	5	45 30,11	3,563	+0,0017	−0,011	7.6524	8.8507	0.5518	+7.1915
1877*	Aurigæ	8	45 35,69	5,040	+0,0071	.....	7.8731	9.0742	0.7024	+7.7911
1878	Columbæ ..... β	3	45 40,39	2,107	+0,0003	+0,002	7.7107	8.9142	0.3237	−7.4781
1879*	Ursæ Minoris	6	45 56,60	26,626	+0,5266	+0,289	8.8571	0.0706	1.4253	+8.8564
1880	57 Orionis ..... χ^2	6	46 4,05	3,549	+0,0017	+0,005	7.6337	8.8493	0.5501	+7.1618
1881	Camelopardi.....	6	46 44,99	6,197	+0,0131	−0,021	7.9917	9.2292	0.7922	+7.9553
1882	Aurigæ	6½	47 2,07	3,808	+0,0022	−0,001	7.6341	8.8810	0.5807	+7.3185
1883	58 Orionis ..... α	1	47 3,16	3,243	+0,0009	+0,006	7.5793	8.8268	0.5110	+6.6877
1884	Pictoris ..... γ	4½	47 6,37	1,076	+0,0015	−0,003	7.8286	9.0780	0.0319	−7.7482
1885*	33 Aurigæ ..... δ	3½	47 10,63	4,926	+0,0058	+0,011	7.8050	9.0568	0.6925	+7.7145
1886	Pictoris	6	47 13,05	1,312	+0,0011	+0,073	7.7887	9.0418	0.1178	−7.6899
1887*	Aurigæ	6	47 15,25	4,999	+0,0061	+0,001	7.8136	9.0679	0.6989	+7.7285
1888*	Aurigæ	6	47 25,18	4,944	+0,0058	.....	7.7995	9.0596	0.6941	+7.7103
1889	Columbæ	6	47 26,87	2,040	+0,0003	+0,021	7.6637	8.9248	0.3097	−7.4498
1890	Pictoris	5	5 47 29,53	+1,353	+0,0010	−0,015	+7.7728	+9.0353	+0.1313	−7.6702

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1846	77 24 1,3	−1,65	+0,490	−0,02	−9.3141	−8.2539	−0.2174	+9.9985	842	235	ii. 716			
1847	126 17 24,4	1,62	0,304	+0,02	−9.9730	+8.6797	0.2097	9.9986	....	....	.....	1992	1040	
1848	62 5 0,1	1,62	0,549	+0,05	+8.9201	−8.5765	0.2083	9.9986	....	236	ii. 717	....	....	W 349
1849	30 9 14,4	1,61	0,780	+0,04	+9.8088	−8.8426	0.2080	9.9986	831	226	ii. 715			
1850	57 55 23,9	1,60	0,568	−0,04	+9.2087	−8.6279	0.2050	9.9986	....	237	iii. 632			
1851	80 10 54,6	1,59	0,480	+0,19	−9.4110	−8.1316	0.2021	9.9986	....	239	iii. 634			
1852	75 44 36,7	1,58	0,496	+0,04	−9.2433	−8.2873	0.1981	9.9987	845	240	ii. 719			
1853	75 36 20,1	1,55	0,496	+0,09	−9.2365	−8.2835	0.1903	9.9987	846	242	ii. 720	....	....	A 133
1854	34 20 9,1	1,55	0,730	+0,03	+9.7623	−8.8048	0.1902	9.9987	838	233	ii. 718			
1855	136 39 17,7	1,55	0,241	+0,08	−0.0099	+8.7486	0.1891	9.9987	....	....	v. 480	2003	1043	
1856	76 0 3,4	1,54	0,495	0,00	−9.2550	−8.2701	0.1887	9.9987	847	244	ii. 721	....	....	A 134
1857	56 7 41,3	1,51	0,577	+0,04	+9.2912	−8.6225	0.1786	9.9988	....	243	iii. 635			
1858	131 38 38,2	1,51	0,274	+0,07	−9.9943	+8.6979	0.1777	9.9988	....	250	v. 484	2005	1048	
1859	123 28 16,9	1,50	0,318	−0,72	−9.9600	+8.6152	0.1759	9.9988	....	....	v. 482	1998	1044	
1860	113 1 11,2	1,43	0,364	−0,14	−9.8974	+8.4457	0.1557	9.9989	....	252	ii. 724	2002	....	W 354
1861	141 7 22,3	1,42	0,206	−0,12	−0.0207	+8.7421	0.1531	9.9989	....	....	v. 487	2021	1051	
1862	75 52 17,7	1,41	0,496	+0,02	−9.2487	−8.2351	0.1497	9.9989	849	249	ii. 723			
1863	62 25 44,0	1,41	0,548	+0,06	+8.8865	−8.5117	0.1485	9.9989	848	247	ii. 722			
1864	97 33 43,1	1,39	0,421	−0,01	−9.7494	+7.9594	0.1424	9.9990	853	254	iii. 637	....	....	W 355
1865	120 39 56,9	1,38	0,332	−0,65	−9.9455	+8.5461	0.1407	9.9990	....	....	v. 489	2011	1053	
1866	38 13 50,7	1,37	0,693	.....	+9.7120	−8.7300	0.1371	9.9990	....	....	.....	....	....	G 1034
1867	69 44 31,1	1,36	0,518	+0,06	−8.7903	−8.3718	0.1347	9.9990	850	251	iii. 638	....	....	M 223
1868	155 47 35,3	1,36	0,015	+0,29	−0.0366	+8.7896	0.1318	9.9990	....	....	ii. 730	2045	1060	J 139
1869	88 11 8,6	1,34	+0,453	−0,01	−9.6043	−7.3259	0.1276	9.9990	855	257	ii. 726			
1870	168 53 20,4	1,33	0,542	−0,75	−0.0264	+8.8121	0.1225	9.9991	....	....	.....	2097	1068	
1871	110 53 43,3	1,32	+0,373	+0,66	−9.8816	+8.3716	0.1216	9.9991	858	261	ii. 728	....	....	J138,P264
1872	34 22 34,1	1,30	0,731	+0,12	+9.7624	−8.7291	0.1146	9.9991	....	248	iii. 640	....	....	B.F 790
1873	134 55 25,4	1,29	0,253	+0,18	−0.0052	+8.6585	0.1118	9.9991	....	....	v. 493	2034	1061	
1874	23 0 32,0	1,29	0,904	−0,05	+9.8744	−8.7727	0.1110	9.9991	....	246	iii. 639	....	....	G 1032
1875	58 19 33,2	1,29	0,567	+0,09	+9.1895	−8.5286	0.1106	9.9991	....	256	ii. 727	....	....	W 356
1876	69 45 24,7	1,27	0,519	+0,10	−8.7917	−8.3399	0.1031	9.9991	856	259	ii. 729	....	....	M 224
1877	34 7 8,0	1,26	0,734	.....	+9.7655	−8.7160	0.1003	9.9991	....	....	.....	....	....	B.F 792
1878	125 49 43,8	1,25	0,307	−0,28	−9.9713	+8.5631	0.0979	9.9992	....	267	ii. 732	2029	1063	B.F 815
1879	3 14 33,2	1,23	3,876	+0,10	+9.9877	−8.7850	0.0880	9.9992	....	....	.....	....	....	G 1004
1880	70 17 5,1	1,22	0,517	−0,01	−8.8561	−8.3117	0.0858	9.9992	857	265	ii. 731	....	....	M 225
1881	23 7 10,7	1,16	0,902	+0,04	+9.8737	−8.7254	0.0640	9.9993	....	253	iii. 641	....	....	G 1038
1882	61 5 15,0	1,13	0,555	+0,01	+9.0120	−8.4368	0.0546	9.9993	....	266	iii. 643			
1883	82 37 33,1	1,13	0,472	0,00	−9.4803	−7.8601	0.0540	9.9993	860	268	ii. 734	....	1064	M 226
1884	146 12 21,3	1,13	0,157	+0,07	−0.0298	+8.6696	0.0522	9.9993	....	....	v. 496	2053	1071	
1885	35 44 1,9	1,12	0,717	+0,11	+9.7459	−8.6570	0.0498	9.9993	852	262	ii. 733			
1886	142 48 10,2	1,12	0,191	−1,51	−0.0244	+8.6474	0.0484	9.9993	....	....	v. 497	2051	1072	
1887	34 41 53,8	1,12	0,728	+0,06	+9.7588	−8.6599	0.0472	9.9993	851	264	iii. 642	....	....	B.F 797
1888	35 28 28,4	1,10	0,720	+0,08	+9.7493	−8.6501	0.0415	9.9994	854	....	.....	....	....	B.F 799
1889	127 39 57,0	1,10	0,297	−0,06	−9.9794	+8.5244	0.0405	9.9994	....	274	iii. 644	2041	1069	
1890	142 8 41,1	−1,09	+0,197	+0,01	−0.0231	+8.6342	−0.0390	+9.9994	....	....	v. 498	2052	1074	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1891*	Columbæ ..... λ	5	5 47 39,73	+2,176	+0,0002	−0,009	+7.6353	+8.9039	+0.3376	−7.3811
1892*	Columbæ	6	47 46,47	2,006	+0,0003	+0,001	7.6576	8.9301	0.3024	−7.4523
1893*	Orionis	7	48 13,54	3,294	+0,0010	.....	7.5405	8.8293	0.5177	+6.7573
1894*	Columbæ	6	48 26,37	2,325	+0,0003	.....	7.5854	8.8823	0.3664	−7.2735
1895*	34 Aurigæ ..... β	2	48 31,54	4,403	+0,0034	+0,001	7.6732	8.9733	0.6437	+7.5221
1896	139 Tauri	5½	48 41,35	3,720	+0,0017	+0,005	7.5631	8.8695	0.5705	+7.2039
1897	35 Aurigæ ..... π	5	48 48,11	+4,450	+0,0035	+0,002	7.6703	8.9810	+0.6483	+7.5266
1898*	Mensæ	5½	49 2,79	−4,976	+0,0370	.....	8.2890	9.6093	−0.6968	−8.2831
1899*	Aurigæ	6½	49 20,90	+4,387	+0,0032	−0,003	7.6383	8.9708	+0.6421	+7.4845
1900	37 Aurigæ ..... θ	4	49 29,63	4,084	+0,0023	+0,008	7.5838	8.9222	0.6111	+7.3653
1901	16 Leporis ..... η	4	49 34,56	2,733	+0,0003	+0,002	7.4951	8.8369	0.4366	−6.8848
1902	36 Aurigæ	6	49 35,75	4,548	+0,0035	+0,001	7.6543	8.9970	0.6578	+7.5246
1903	Pictoris	5½	49 49,39	0,999	+0,0013	−0,014	7.7372	9.0895	9.9997	−7.6617
1904	Columbæ	6	50 0,13	+1,950	+0,0003	+0,007	7.5792	8.9392	+0.2901	−7.3871
1905	Doradûs ..... ε	5	50 2,41	−0,067	+0,0038	−0,053	7.8689	9.2305	−8.8248	−7.8327
1906	Columbæ	5½	50 20,37	+2,059	+0,0003	+0,003	7.5471	8.9220	+0.3136	−7.3280
1907*	Orionis	6	50 32,05	3,374	+0,0009	.....	7.4507	8.8345	0.5281	+6.7958
1908	59 Orionis	6	50 37,05	3,113	+0,0005	+0,003	7.4361	8.8238	0.4932	+5.9373
1909*	Doradûs	6	50 38,27	0,324	+0,0025	.....	7.7941	9.1827	9.5107	−7.7480
1910	Columbæ ..... σ	6	50 42,63	+2,255	+0,0002	+0,007	7.5004	8.8924	+0.3532	−7.2174
1911	Mensæ	6	50 52,49	−1,230	+0,0074	+0,005	7.9516	9.3513	−0.0900	−7.9316
1912	Pictoris	6	50 56,06	+1,498	+0,0005	−0,019	7.6098	9.0124	+0.1755	−7.4919
1913	60 Orionis	6	51 7,01	3,083	+0,0005	+0,005	7.4122	8.8236	0.4890	+5.3815
1914	Aurigæ	6	51 8,93	4,657	+0,0033	−0,005	7.6016	9.0146	0.6681	+7.4853
1915	Columbæ	6	51 13,68	2,236	+0,0002	+0,014	7.4783	8.8952	0.3494	−7.2025
1916*	140 Tauri	8	51 22,88	3,635	+0,0012	+0,010	7.4347	8.8592	0.5605	+7.0246
1917	Pictoris	6	51 32,27	1,319	+0,0007	−0,003	7.6084	9.0409	0.1201	−7.5088
1918	Tauri	7	51 34,98	3,768	+0,0013	+0,005	7.4411	8.8759	0.5761	+7.1064
1919	1 Monocerotis	6½	51 53,21	2,849	+0,0003	+0,003	7.3787	8.8295	0.4548	−6.5917
1920	2 Monocerotis	5½	51 57,18	2,845	+0,0003	+0,008	7.3753	8.8297	0.4541	−6.5963
1921*	Aurigæ	6½	52 2,85	4,333	+0,0023	+0,007	7.5026	8.9622	0.6368	+7.3394
1922	Columbæ ..... γ	4	52 13,20	2,124	+0,0002	+0,003	7.4429	8.9119	0.3272	−7.2047
1923	38 Aurigæ	6	52 29,22	4,313	+0,0021	+0,015	7.4747	8.9589	0.6348	+7.3078
1924*	Aurigæ	6	52 35,18	4,755	+0,0030	+0,003	7.5402	9.0302	0.6771	+7.4342
1925	141 Tauri	6	52 38,26	3,621	+0,0010	+0,002	7.3647	8.8577	0.5588	+6.9456
1926	Doradûs	5½	52 57,98	0,432	+0,0017	+0,041	7.6558	9.1687	9.6359	−7.6062
1927	Doradûs	6	53 33,27	0,268	+0,0018	+0,024	7.6391	9.1899	9.4277	−7.5946
1928*	61 Orionis ..... μ	5	54 7,97	3,298	+0,0004	+0,004	7.2383	8.8300	0.5182	+6.4623
1929	Puppis	6	54 10,95	1,778	+0,0002	+0,009	7.3719	8.9672	0.2499	−7.2140
1930*	Orionis	6½	54 12,54	3,496	+0,0007	.....	7.2474	8.8447	0.5436	+6.7294
1931*	39 Aurigæ	6	54 16,11	4,316	+0,0016	+0,002	7.3577	8.9596	0.6351	+7.1914
1932*	Aurigæ	7½	54 19,05	4,137	+0,0013	.....	7.3251	8.9307	0.6167	+7.1200
1933*	Puppis	5	54 33,31	1,832	+0,0002	+0,001	7.3343	8.9584	0.2629	−7.1666
1934*	64 Orionis ..... χ^3	5	54 34,74	3,549	+0,0007	+0,010	7.2243	8.8500	0.5501	+6.7518
1935	Aurigæ	6½	5 54 45,12	+4,114	+0,0012	−0,003	+7.2869	+8.9270	+0.6142	+7.0759

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1891	123 50 11,8	−1,08	+0,317	−0,09	−9.9621	+8.4766	−0.0331	+9.9994	....	276	iii. 645	2044	1073	B.F 820
1892	128 33 35,6	1,07	0,292	−0,11	−9.9830	+8.5216	0.0291	9.9994	....	278	iii. 646	2046	1075	
1893	80 31 3,1	1,03	0,480	.....	−9.4208	−7.9274	0.0128	9.9994	....	....	.....	....	....	B.F 813
1894	119 10 47,5	1,01	0,339	+0,16	−9.9374	+8.3906	0.0048	9.9995	....	....	.....	2047	1076	
1895	45 4 28,2	1,00	0,641	+0,03	+9.5999	−8.5483	0.0016	9.9995	859	269	ii. 735			
1896	64 4 12,1	0,99	0,542	0,00	+8.6665	−8.3339	9.9954	9.9995	862	273	iii. 648	....	....	M 227
1897	44 4 59,6	0,98	+0,648	+0,02	+9.6187	−8.5451	9.9910	9.9995	....	271	ii. 736			
1898	170 34 34,3	0,96	−0,725	−0,91	−0.0239	+8.6733	9.9814	9.9995	....	....	.....	2138	1096	
1899	45 25 30,4	0,93	+0,639	+0,04	+9.5933	−8.5133	9.9693	9.9995	....	....	.....	....	....	B.F 808
1900	52 48 12,4	0,92	0,595	+0,11	+9.4120	−8.4426	9.9634	9.9995	863	277	ii. 738			
1901	104 11 56,2	0,91	0,398	−0,15	−9.8233	+8.0474	9.9599	9.9996	866	281	ii. 739	....	....	J 141
1902	42 6 52,8	0,91	0,663	+0,05	+9.6532	−8.5272	9.9591	9.9996	861	275	iii. 649	....	....	G 1056
1903	147 11 4,2	0,89	0,146	−0,13	−0.0313	+8.5718	9.9495	9.9996	....	....	v. 506	2080	1088	
1904	129 59 13,5	0,88	+0,284	+0,02	−9.9888	+8.4475	9.9418	9.9996	....	286	iii. 650	2067	1085	
1905	156 56 16,1	0,87	−0,010	−0,21	−0.0371	+8.6018	9.9402	9.9996	....	....	ii. 741	2093	1091	J 142
1906	127 8 49,6	0,85	+0,300	+0,18	−9.9774	+8.4056	9.9269	9.9996	....	290	iii. 652	2069	1089	
1907	77 12 40,6	0,83	0,492	.....	−9.3054	−7.9609	9.9181	9.9996	....	....	.....	....	....	B.F 817
1908	88 10 58,9	0,82	0,454	+0,04	−9.6042	−7.1132	9.9142	9.9996	869	283	ii. 740			
1909	154 3 42,6	0,82	0,047	−0,83	−0.0368	+8.5650	9.9133	9.9996	....	....	.....	2091	1094	
1910	121 24 23,9	0,81	+0,329	+0,03	−9.9499	+8.3246	9.9099	9.9996	....	292	iii. 654	2070	1090	
1911	162 44 38,6	0,80	−0,179	+0,25	−0.0346	+8.5800	9.9022	9.9997	....	....	.....	2111	1098	
1912	139 39 15,0	0,79	+0,218	0,00	−0.0181	+8.4791	9.8993	9.9997	....	....	v. 508	2082	1093	
1913	89 27 58,2	0,78	0,449	+0,04	−9.6280	−6.5576	9.8905	9.9997	870	289	ii. 742			
1914	40 6 6,0	0,77	0,679	−0,10	+9.6857	−8.4703	9.8889	9.9997	....	280	iii. 653	....	....	G 1060
1915	122 0 2,8	0,77	0,326	+0,49	−9.9530	+8.3070	9.8850	9.9997	....	....	v. 509	2075	1092	
1916	67 6 53,7	0,75	0,530	+0,03	−8.0492	−8.1650	9.8774	9.9997	867	285	iii. 655	....	....	M 228
1917	142 40 14,0	0,74	0,192	−0,17	−0.0244	+8.4677	9.8694	9.9997	....	....	v. 510	2087	1095	
1918	62 26 23,8	0,74	0,549	−0,05	+8.8904	−8.2301	9.8671	9.9997	....	287	ii. 743	....	....	W 359
1919	99 23 57,9	0,71	0,415	+0,01	−9.7718	+7.7620	9.8512	9.9997	872	294	iii. 656			
1920	99 34 24,1	0,70	0,415	+0,07	−9.7739	+7.7663	9.8476	9.9997	874	295	ii. 744			
1921	46 37 45,3	0,70	0,632	.....	+9.5691	−8.3770	9.8424	9.9997	865	....	.....	....	....	G 1065
1922	125 18 12,9	0,68	0,310	+0,07	−9.9693	+8.2926	9.8329	9.9998	....	297	ii. 746	2084	1097	J 143, P 274
1923	47 5 23,2	0,66	0,629	+0,15	+9.5596	−8.3486	9.8178	9.9998	868	293	iii. 657			
1924	38 25 47,4	0,65	0,693	+0,04	+9.7104	−8.4037	9.8120	9.9998	864	291	iii. 658	....	....	B.F 814
1925	67 36 28,6	0,64	0,528	0,00	−8.3096	−8.0876	9.8090	9.9998	871	296	ii. 745	....	....	M 229
1926	153 8 9,4	0,62	0,063	−0,74	−0.0366	+8.4373	9.7891	9.9998	....	....	.....	2106	1102	
1927	154 30 27,0	0,56	0,039	−0,12	−0.0371	+8.4045	9.7512	9.9998	....	....	.....	2113	1104	
1928	80 21 28,0	0,51	0,481	+0,01	−9.4156	−7.6322	9.7104	9.9999	877	302	ii. 747	....	....	P 275
1929	134 2 57,2	0,51	0,259	+0,15	−0.0030	+8.2467	9.7068	9.9999	....	313	iii. 662	2098	1105	
1930	72 20 19,9	0,51	0,510	.....	−9.0422	−7.8845	9.7048	9.9999	....	....	.....	....	....	M 231
1931	47 0 46,3	0,50	0,629	+0,07	+9.5613	−8.2317	9.7002	9.9999	873	298	iii. 660			
1932	51 25 30,5	0,50	0,603	.....	+9.4533	−8.1892	9.6965	9.9999	....	....	.....	....	....	B.F 828
1933	132 49 32,2	0,48	0,267	−0,02	−9.9991	+8.2081	9.6780	9.9999	....	315	iii. 664	2099	1107	J 144
1934	70 18 46,1	0,47	0,517	+0,04	−8.8561	−7.9017	9.6764	9.9999	878	304	ii. 748	....	....	M 230
1935	52 2 12,4	−0,46	+0,600	+0,08	+9.4360	−8.1487	−9.6620	+9.9999	....	301	iii. 661	....	....	B.F 830

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1936*	3 Monocerotis.....	5½	5 54 47,07	+2,820	+0,0002	−0,001	+7.1885	+8.8313	+0.4503	−6.4534
1937	Geminorum	7	54 56,05	3,707	+0,0008	+0,014	7.2126	8.8681	0.5690	+6.8457
1938	1 Geminorum	5	55 0,27	3,645	+0,0006	+0,003	7.1991	8.8607	0.5617	+6.7957
1939	62 Orionis.....χ^4	5	55 0,77	3,561	+0,0006	+0,004	7.1889	8.8512	0.5515	+6.7258
1940	Pictoris.....	6	55 30,80	1,406	+0,0004	−0,002	7.3189	9.0271	0.1480	−7.2109
1941	Columbæ	6	55 50,42	2,172	0,0000	+0,014	7.1638	8.9048	0.3368	−6.9104
1942*	40 Aurigæ	6	56 14,45	4,134	+0,0009	+0,001	7.1452	8.9303	0.6163	+6.9392
1943*	37 Camelopardi.....	5	56 44,67	5,291	+0,0019	+0,007	7.2638	9.1114	0.7235	+7.1967
1944	63 Orionis	6½	56 58,21	3,198	+0,0002	−0,005	6.9471	8.8258	0.5048	+5.9226
1945	66 Orionis	6	57 2,87	3,168	+0,0002	+0,001	6.9350	8.8250	0.5008	+5.7959
1946	Leporis.....	5½	57 13,27	2,410	+0,0001	+0,014	6.9550	8.8713	0.3821	−6.6013
1947	Aurigæ	6½	57 13,55	4,119	+0,0007	+0,004	7.0109	8.9279	0.6147	+6.8011
1948	Pictoris.....	6	57 18,48	1,407	+0,0002	−0,001	7.0971	9.0271	0.1481	−6.9889
1949	38 Camelopardi.....	7	57 36,45	5,312	+0,0014	−0,003	7.1330	9.1144	0.7253	+7.0669
1950*	39 Camelopardi.....	6½	57 39,65	5,431	+0,0014	.....	7.1400	9.1312	0.7349	+7.0796
1951	2 Geminorum	6½	57 40,00	3,656	+0,0004	+0,002	6.8698	8.8620	0.5630	+6.4730
1952*	36 Camelopardi.....	5½	57 44,97	6,037	+0,0021	−0,011	7.2022	9.2102	0.7808	+7.1620
1953*	Orionis	7	58 5,13	3,443	+0,0002	+0,006	6.7620	8.8401	0.5369	+6.1904
1954	Pictoris.....	6	58 16,09	0,922	+0,0003	−0,025	6.9794	9.1010	9.9649	−6.9083
1955	17 Leporis.....	5½	58 17,77	2,675	0,0000	+0,007	6.7132	8.8421	0.4273	−6.1660
1956	Monocerotis.....	6½	58 21,95	2,829	+0,0001	−0,003	6.6841	8.8309	0.4517	−5.9338
1957	Geminorum	7	58 41,73	3,630	+0,0002	−0,009	6.6142	8.8590	0.5600	+6.2011
1958	67 Orionis.....ν	4½	59 0,53	3,423	+0,0001	+0,005	6.4745	8.8385	0.5345	+5.8812
1959	18 Leporis.....θ	4½	59 22,12	+2,714	0,0000	+0,004	6.2787	8.8388	+0.4336	−5.6896
1960*	Mensæ	6	59 22,16	−11,731	+0,0079	.....	7.3098	9.8699	−1.0693	−7.3080
1961*	Monocerotis.....	7	59 50,67	+2,807	0,0000	+0,006	5.6639	8.8322	+0.4482	−4.9507
1962*	Geminorum	neb.	5 59 57	3,673	0,0000	.....	+5.2028	8.8640	0.5650	+4.8164
1963*	41 Aurigæ	6	6 0 7,27	4,594	0,0000	+0,012	−5.7277	9.0047	0.6622	−5.6037
1964	Puppis	5½	0 10,05	1,732	0,0000	+0,007	5.8393	8.9747	0.2385	+5.6891
1965	Leporis.....	6	0 16,60	2,500	0,0000	−0,005	5.9420	8.8602	0.3980	+5.5356
1966	Pictoris.....	6	0 17,15	0,746	−0,0001	+0,007	6.2217	9.1262	9.8728	+6.1596
1967	Columbæ	6	0 19,04	2,307	0,0000	−0,010	6.0272	8.8853	0.3630	+5.7228
1968	Puppis	6	0 21,81	+1,730	0,0000	+0,008	6.1752	8.9750	+0.2380	+6.0253
1969*	Mensæ	6	0 25,36	−4,060	−0,0011	.....	6.8238	9.5584	−0.6086	+6.8163
1970	Geminorum	6½	0 29,68	+3,617	0,0000	−0,007	6.1913	8.8574	+0.5583	−5.7688
1971*	3 Geminorum	6	0 37,51	3,642	0,0000	+0,006	6.2964	8.8603	0.5613	−5.8906
1972*	Pictoris.....	6	0 53,92	1,562	0,0000	−0,003	6.5957	9.0022	0.1937	+6.4698
1973	19 Leporis.....	6	1 10,16	2,606	−0,0001	+0,003	6.5562	8.8486	0.4160	+6.0722
1974*	4 Monocerotis.....	6	1 23,76	2,808	−0,0001	.....	6.6167	8.8321	0.4483	+5.9023
1975	4 Geminorum	7	1 23,97	3,639	−0,0002	+0,004	6.6459	8.8599	0.5609	−6.2381
1976	Columbæ	6	1 39,77	2,159	0,0000	+0,009	6.7677	8.9069	0.3342	+6.5185
1977	Puppis	6	1 56,77	1,696	−0,0001	+0,013	6.9097	8.9806	0.2294	+6.7651
1978	Columbæ .....π^1	5½	2 3,68	1,855	−0,0001	+0,022	6.9087	8.9548	0.2683	+6.7366
1979*	40 Camelopardi.....	5	2 11,65	5,389	−0,0014	+0,004	7.1065	9.1254	0.7315	−7.0442
1980	Camelopardi.....	5	6 2 18,37	+6,620	−0,0028	+0,003	−7.2796	+9.2768	+0.8209	−7.2508

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
1936	100 36 15,6	−0,46	+0,411	0,00	−9.7858	+7.6220	−9.6593	+9.9999	883	311	ii. 751			
1937	64 33 24,0	0,44	0,540	+0,12	+8.5752	−7.9775	9.6466	9.9999	....	306	iii. 663			
1938	66 44 2,4	0,44	0,532	+0,11	−7.5798	−7.9350	9.6406	9.9999	880	307	ii. 749	....	1106	M 232
1939	69 51 49,9	0,44	0,519	+0,04	−8.8007	−7.8745	9.6398	9.9999	881	308	ii. 750	....	....	M 233
1940	141 13 58,4	0,39	0,205	+0,01	−0.0217	+8.1836	9.5939	9.9999	....	....	v. 519	2114	1112	
1941	123 54 55,8	0,36	0,317	−0,03	−9.9628	+8.0055	9.5611	9.9999	....	320	iii. 667	2108	1113	
1942	51 30 33,9	0,33	0,603	.....	+9.4512	−8.0089	9.5171	9.9999	882	....	.....	....	....	G 1075
1943	31 3 12,1	0,28	0,772	−0,01	+9.8012	−8.0853	9.4547	0.0000	876	310	iii. 668	....	....	G 1074
1944	84 34 38,2	0,27	0,466	+0,08	−9.5283	−7.0967	9.4235	0.0000	....	321	iv. 437			
1945	85 50 15,3	0,26	0,462	+0,03	−9.5565	−6.9708	9.4122	0.0000	885	322	ii. 752			
1946	116 17 18,5	0,24	0,352	+0,03	−9.9201	+7.7300	9.3859	0.0000	....	327	ii. 753	2115	1117	
1947	51 54 32,4	0,24	0,601	+0,06	+9.4400	−7.8732	9.3852	0.0000	....	318	iv. 438			
1948	141 13 20,9	0,24	0,205	−0,26	−0.0217	+7.9618	9.3721	0.0000	....	....	v. 522	2123	1118	
1949	30 48 55,3	0,21	0,775	+0,02	+9.8038	−7.9525	9.3208	0.0000	....	316	iii. 670	....	....	B.F 829
1950	29 31 45,2	0,21	0,792	+0,01	+9.8170	−7.9484	9.3110	0.0000	879	....	.....	....	....	G 1079
1951	66 21 13,7	0,20	0,533	+0,05	+7.5563	−7.6110	9.3100	0.0000	884	323	ii. 754	....	1116	
1952	24 15 41,1	0,20	0,880	+0,09	+9.8653	−7.9518	9.2942	0.0000	875	314	iii. 669	....	....	G 1076
1953	74 26 42,1	0,17	0,502	+0,10	−9.1761	−7.3503	9.2241	0.0000	....	328	ii. 755	....	....	W 363
1954	148 6 16,0	0,15	0,135	−0,30	0.0327	+7.8073	9.1806	0.0000	....	....	.....	2133	1124	
1955	106 28 41,7	0,15	0,390	+0,02	9.8449	+7.3239	9.1733	0.0000	890	331	ii. 756			
1956	100 14 15,4	0,14	0,413	+0,04	9.7816	+7.1029	9.1554	0.0000	889	330	iii. 672			
1957	67 16 47,3	0,11	0,530	−0,05	8.1492	−7.3421	9.0575	0.0000	....	329	iii. 673	....	....	M 234
1958	75 13 7,8	0,09	0,499	+0,03	9.2162	−7.0427	8.9382	0.0000	887	332	ii. 757			
1959	104 55 34,4	0,06	+0,396	+0,01	9.8305	+6.8508	8.7421	0.0000	892	336	ii. 758	....	....	J 145
1960	174 50 18,8	0,06	−1,711	−0,60	0.0149	+7.4382	8.7421	0.0000	....	....	.....	2296	1165	
1961	101 9 38,9	−0,01	+0,409	−0,01	−9.7920	+6.1185	8.1339	0.0000	894	339	iii. 675			
1962	65 45	0,00	0,536	.....	+8.1761	−5.9523	−7.6410	0.0000	....	....	.....	....	....	A
1963	41 15 55,1	+0,01	0,670	+0,12	+9.6679	+6.5990	+8.0252	0.0000	886	334	iii. 674	....	....	G 1094
1964	135 2 23,8	0,02	0,253	−0,08	−0.0061	−6.7143	8.1668	0.0000	....	346	iii. 677	2137	1131	
1965	113 5 47,1	0,02	0,365	−0,02	9.8985	−6.6754	8.3840	0.0000	....	342	iii. 676	2128		
1966	150 5 36,4	0,03	0,109	−0,01	0.0347	−7.0335	8.3977	0.0000	....	....	v. 534	2155	1134	
1967	119 44 42,1	0,03	0,336	−0,06	9.9410	−6.8375	8.4442	0.0000	....	....	v. 532	2130	1130	
1968	135 4 50,3	0,03	+0,252	−0,28	0.0063	−7.0502	8.5023	0.0000	....	348	v. 533	2141	1132	
1969	169 22 49,7	0,04	−0,592	−0,34	0.0265	−7.2579	8.5676	0.0000	....	....	.....	2210	1150	
1970	67 47 24,3	0,04	+0,527	−0,01	8.3766	+6.9114	8.6362	0.0000	....	338	ii. 759	....	....	M 235
1971	66 52 1,7	0,05	0,531	+0,02	7.7924	+7.0303	8.7383	0.0000	891	340	ii. 760	....	1127	M 236
1972	138 26 51,2	0,08	0,228	+0,22	0.0154	−7.4676	8.8957	0.0000	....	....	v. 538	2145	1137	
1973	109 9 7,1	0,10	0,380	−0,08	9.8681	−7.2236	9.0098	0.0000	898	349	ii. 763			
1974	101 7 40,3	0,12	0,410	0,00	9.7916	−7.0701	9.0868	0.0000	897	....	ii. 765	....	....	Airy (C)
1975	66 58 47,4	0,12	0,531	0,00	7.9243	+7.3782	9.0882	0.0000	895	344	ii. 762	....	....	M 237
1976	124 17 48,1	0,15	0,315	+0,04	9.9647	−7.6117	9.1630	0.0000	....	352	iii. 680	2142	1139	
1977	135 47 58,0	0,17	0,247	+0,41	0.0083	−7.7846	9.2313	0.0000	....	....	v. 543	2156	1143	
1978	132 16 58,9	0,18	0,271	+0,03	−9.9973	−7.7818	9.2561	0.0000	....	6	iii. 683	2154	1144	
1979	29 58 2,7	0,19	0,786	+0,03	+9.8126	+7.9188	9.2834	0.0000	888	341	ii. 764			
1980	20 38 13,2	+0,20	+0,966	+0,09	+9.8937	+7.9740	+9.3050	+0.0000	....	335	ii. 761	....	....	B.H 286

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
1981	5 Geminorum	6	6 2 20,32	+3,678	−0,0004	+0,004	−6.8735	+8.8647	+0.5657	−6.4904
1982	Columbæ ..... θ	5	2 23,37	2,055	0,0000	+0,014	6.9411	8.9229	0.3127	+6.7229
1983	Puppis	6½	2 40,99	1,730	−0,0001	+0,006	7.0435	8.9750	0.2381	+6.8935
1984	Puppis	6	2 49,50	1,677	−0,0001	.....	7.0745	8.9836	0.2246	+6.9328
1985	Camelopardi.....	6	2 57,17	6,668	−0,0036	−0,007	7.3920	9.2818	0.8240	−7.3639
1986	68 Orionis	6	3 8,47	3,552	−0,0004	+0,008	6.9873	8.8504	0.5505	−6.5175
1987	6 Geminorum	6	3 13,31	3,636	−0,0004	+0,002	7.0076	8.8596	0.5607	−6.5984
1988	Columbæ ..... π^2	5½	3 13,71	1,861	−0,0001	+0,012	7.1026	8.9537	0.2698	+6.9292
1989	69 Orionis ..... f^1	6	3 24,33	3,458	−0,0003	+0,003	7.0134	8.8414	0.5388	−6.4580
1990	70 Orionis ..... ξ	5	3 24,69	3,410	−0,0003	+0,005	7.0102	8.8374	0.5327	−6.4010
1991	Puppis	6	3 24,75	1,747	−0,0001	+0,005	7.1451	8.9722	0.2423	+6.9924
1992	1 Lyncis	5	4 4,54	5,538	−0,0028	0,000	7.3960	9.1460	0.7434	−7.3401
1993	Puppis	5½	4 9,81	1,765	−0,0002	0,000	7.2287	8.9694	0.2466	+7.0730
1994*	Monocerotis.....	5	4 32,98	2,918	−0,0002	.....	7.1245	8.8266	0.4651	+6.1797
1995	Canis Majoris	6	4 36,68	2,386	−0,0001	+0,009	7.1781	8.8744	0.3776	+6.8370
1996	Columbæ	6	5 10,49	2,142	−0,0001	+0,001	7.2631	8.9093	0.3308	+7.0194
1997	Canis Majoris	6	5 12,83	2,406	−0,0001	+0,010	7.2289	8.8718	0.3812	+6.8778
1998	Columbæ	6	5 19,69	1,936	−0,0001	−0,013	7.3081	8.9417	0.2869	+7.1191
1999	Aurigæ	7½	5 32,60	4,048	−0,0012	−0,003	7.3005	8.9169	0.6073	−7.0717
2000	Pictoris.....	5½	5 41,57	0,543	−0,0013	.....	7.5493	9.1540	9.7350	+7.4957
2001	44 Aurigæ ..... κ	4	5 49,25	3,828	−0,0009	0,000	7.2892	8.8843	0.5830	−6.9822
2002	7 Geminorum .... η	4	5 49,29	3,626	−0,0008	−0,002	7.2632	8.8583	0.5594	−6.8469
2003	Doradûs ..... η^1	6	5 59,85	0,066	−0,0021	−0,003	7.6327	9.2148	8.8176	+7.5935
2004*	71 Orionis	5½	6 1,32	3,536	−0,0007	−0,002	7.2683	8.8486	0.5485	−6.7854
2005	Orionis	7	6 4,59	3,456	−0,0007	−0,003	7.2647	8.8411	0.5385	−6.7070
2006	Puppis	6	6 22,19	1,722	−0,0002	+0,027	7.4203	8.9762	0.2361	+7.2717
2007	2 Lyncis	4½	6 23,28	5,300	−0,0038	+0,010	7.5579	9.1126	0.7243	−7.4912
2008	42 Aurigæ	6	6 23,69	4,477	−0,0021	−0,004	7.4314	8.9857	0.6510	−7.2917
2009	72 Orionis ..... f^2	6	6 46,30	3,459	−0,0007	+0,007	7.3120	8.8413	0.5389	−6.7572
2010	43 Aurigæ	6	7 5,37	4,475	−0,0022	+0,002	7.4758	8.9852	0.6508	−7.3357
2011	8 Geminorum	7	7 9,01	3,666	−0,0010	−0,003	7.3573	8.8630	0.5642	−6.9668
2012	73 Orionis ..... k^1	6	7 19,45	3,369	−0,0006	+0,005	7.3390	8.8343	0.5275	−6.6775
2013	Pictoris.....	5½	7 23,16	1,167	−0,0008	−0,001	7.5728	9.0644	0.0669	+7.4858
2014	Aurigæ	6½	7 29,50	4,013	−0,0015	−0,013	7.4259	8.9114	0.6035	−7.1866
2015*	5 Monocerotis.....	4½	7 32,45	2,925	−0,0003	+0,003	7.3437	8.8263	0.4661	+6.3794
2016	9 Geminorum	7	7 49,63	3,660	−0,0010	+0,002	7.3958	8.8622	0.5634	−7.0014
2017	74 Orionis ..... k^2	5½	8 1,33	3,362	−0,0007	+0,011	7.3780	8.8337	0.5266	−6.7068
2018*	Pictoris.....	6	8 5,74	1,158	−0,0008	.....	7.6139	9.0657	0.0639	+7.5276
2019*	3 Lyncis	6	8 13,91	5,565	−0,0057	−0,006	7.7050	9.1495	0.7454	−7.6502
2020*	4 Lyncis	6	8 44,49	5,332	−0,0052	+0,003	7.6988	9.1172	0.7269	−7.6338
2021	Aurigæ	6½	8 50,77	4,015	−0,0019	−0,007	7.4984	8.9116	0.6037	−7.2598
2022*	75 Orionis l	6	8 50,83	3,306	−0,0007	+0,008	7.4171	8.8302	0.5193	−6.6563
2023	Aurigæ	7	8 56,67	3,759	−0,0013	+0,002	7.4663	8.8747	0.5751	−7.1273
2024*	45 Aurigæ	6	9 34,60	+4,877	−0,0042	−0,003	7.6706	9.0493	+0.6881	−7.5758
2025*	Doradûs ..... ν	5½	6 9 44,81	−0,375	−0,0046	.....	−7.8944	+9.2655	−9.5744	+7.8640

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
1981	65 33 9,4	+0,21	+0,536	+0,08	+8.2742	+7.6257	+9.3110	+0.0000	896	350	iii. 682	....	....	M 238
1982	127 14 5,9	0,21	0,300	0,00	−9.9780	−7.8000	9.3204	0.0000	....	9	ii. 767	2153	1145	J 146
1983	135 4 35,1	0,24	0,252	+0,05	−0.0063	−7.9185	9.3707	0.0000	....	11	iii. 685	2160	1149	
1984	136 11 9,4	0,25	0,245	.....	−0.0094	−7.9492	9.3951	0.0000	....	....	v. 546	....	1151	
1985	20 23 20,0	0,26	0,972	+0,08	+9.8955	+8.0820	9.4123	0.0000	....	337	iii. 681	....	....	P 282
1986	70 10 57,8	0,28	0,518	+0,06	−8.8407	+7.6671	9.4391	0.0000	900	2	ii. 768	....	....	M 240
1987	67 3 48,0	0,28	0,530	+0,02	−8.0000	+7.7387	9.4502	0.0000	899	3	ii. 769	....	1147	M 239
1988	132 8 0,2	0,28	0,271	−0,05	−9.9968	−7.9755	9.4511	0.0000	....	12	iii. 686	2164	1153	
1989	73 50 24,1	0,30	0,504	−0,02	−9.1415	+7.6165	9.4742	0.0000	901	7	ii. 771			
1990	75 45 44,8	0,30	0,497	+0,04	9.2423	+7.5635	9.4749	0.0000	903	8	ii. 772			
1991	134 42 40,5	0,30	0,255	+0,12	−0.0051	−8.0201	9.4751	0.0000	....	15	iii. 687	2167	1156	
1992	28 26 39,1	0,36	0,808	+0,01	+9.8276	+8.1941	9.5522	9.9999	893	351	ii. 770			
1993	134 19 58,6	0,36	0,257	−0,01	−0.0039	−8.1036	9.5615	9.9999	....	20	iii. 688	2174	1158	
1994	96 31 12,5	0,40	0,426	.....	−9.7362	−7.3530	9.6000	9.9999	....	....	.....	....	....	B.F 864
1995	117 7 27,9	0,40	0,348	+0,04	−9.9253	−7.9625	9.6058	9.9999	....	17	ii. 773	2168		
1996	124 47 25,1	0,45	0,312	+0,28	−9.9670	−8.1100	9.6559	9.9999	....	....	v. 555	2178	1167	
1997	116 27 12,3	0,46	0,351	+0,20	−9.9211	−8.0058	9.6592	9.9999	....	....	v. 554	2173	1163	
1998	130 19 49,7	0,47	0,282	+0,14	−9.9903	−8.1774	9.6685	9.9999	....	28	iii. 689	2182		
1999	53 48 48,4	0,49	0,590	+0,06	+9.3860	+8.1547	9.6858	9.9999	904					
2000	152 7 41,8	0,50	0,079	.....	−0.0361	−8.3416	9.6974	9.9999	....	....	.....	....	1172	
2001	60 27 8,7	0,51	0,558	+0,29	+9.0626	+8.0978	9.7070	9.9999	907	18	ii. 774			
2002	67 27 17,0	0,51	0,529	+0,01	−8.2430	+7.9885	9.7070	9.9999	909	22	ii. 775	....	1166	M 241
2003	156 1 16,3	0,53	0,010	+0,23	−0.0374	−8.3786	9.7200	9.9999	....	....	.....	2203	1174	
2004	70 47 54,1	0,53	0,516	+0,26	−8.9085	+7.9366	9.7217	9.9999	911	23	ii. 777	....	....	M 242
2005	73 55 31,5	0,53	0,504	−0,14	−9.1468	+7.8657	9.7257	9.9999	....	24	iv. 449			
2006	135 15 13,8	0,56	0,251	+0,35	−0.0067	−8.2953	9.7461	9.9998	....	34	iii. 692	2191	1173	
2007	30 56 34,7	0,56	0,773	0,00	+9.8022	+8.3784	9.7473	9.9998	902	16	ii. 776			
2008	43 31 57,1	0,56	0,653	+0,03	+9.6292	+8.3059	9.7478	9.9998	905	19	iii. 691			
2009	73 48 53,4	0,59	0,504	−0,05	−9.1405	+7.9157	9.7727	9.9998	913	29	ii. 778			
2010	43 35 13,5	0,62	0,652	+0,11	+9.6282	+8.3503	9.7926	9.9998	908	25	iii. 693			
2011	65 59 11,2	0,63	0,534	+0,01	+8.0170	+8.1036	9.7963	9.9998	914	30	ii. 779	....	....	M 243
2012	77 24 23,7	0,64	0,491	0,00	−9.3130	+7.8430	9.8067	9.9998	916	32	ii. 780			
2013	144 56 18,7	0,65	0,170	+0,34	−0.0283	−8.4212	9.8104	9.9998	....	....	v. 561	2201	1177	
2014	54 48 21,0	0,66	0,585	−0,02	+9.3454	+8.2750	9.8166	9.9998	912	....	.....	....	....	L 315
2015	96 14 0,9	0,66	0,426	+0,13	−9.7323	−7.5529	9.8194	9.9998	920	35	ii. 781	....	....	J147, P288
2016	66 12 47,7	0,69	0,533	−0,02	+7.7782	+8.1390	9.8355	9.9998	917	33	ii. 782	....	....	M 244
2017	77 41 27,4	0,70	0,490	−0,19	−9.3241	+7.8728	9.8462	9.9997	919	37	ii. 783			
2018	145 3 20,4	0,71	0,169	.....	−0.0285	−8.4616	9.8502	9.9997	....	....	.....	2205		
2019	28 10 46,1	0,72	0,811	+0,12	+9.8300	+8.5005	9.8575	9.9997	906	27	iii. 695	....	....	G 1129
2020	30 34 19,5	0,77	0,777	+0,02	+9.8060	+8.5163	9.8835	9.9997	910	31	iii. 697	....	....	G 1132
2021	54 44 24,9	0,77	0,585	+0,09	+9.3473	+8.3479	9.8887	9.9997	918	....	.....	....	....	L 315
2022	80 0 35,0	0,77	0,482	+0,16	−9.4048	+7.8258	9.8888	9.9997	921	45	ii. 785			
2023	62 44 12,5	0,78	0,548	+0,07	+8.8567	+8.2522	9.8935	9.9997	....	43	ii. 784	....	....	W 378
2024	36 29 13,6	0,84	+0,711	+0,10	+9.7366	+8.5262	9.9231	9.9996	915	40	iii. 699	....	....	G 1134
2025	158 48 42,1	+0,85	−0,055	0,00	−0.0368	−8.5981	+9.9308	+9.9996	....	....	.....	2227	1187	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2026	10 Geminorum	7½	6 9 46,03	+3,656	−0,0014	+0,002	−7.4915	+8.8616	+0.5630	−7.0949
2027	Canis Majoris	6	10 10,94	2,307	−0,0002	−0,003	7.5328	8.8848	0.3631	+7.2283
2028	11 Geminorum	7	10 11,42	3,652	−0,0014	+0,004	7.5094	8.8612	0.5625	−7.1106
2029*	12 Geminorum	7	10 15,73	3,647	−0,0014	+0,008	7.5120	8.8605	0.5619	−7.1097
2030	6 Monocerotis.....	6½	10 32,37	2,819	−0,0004	+0,004	7.4940	8.8310	0.4501	+6.7617
2031	Doradûs .....η^2	5½	10 56,64	0,133	−0,0035	−0,009	7.8860	9.2066	9.1222	+7.8452
2032*	Pictoris.....	6	10 59,56	0,618	−0,0022	−0,030	7.8250	9.1438	9.7909	+7.7687
2033	Pictoris.....	6	11 6,72	1,024	−0,0014	−0,012	7.7718	9.0858	0.0104	+7.6947
2034	Columbæ ..... $\varkappa$	4½	11 12,95	2,132	−0,0003	+0,001	7.6005	8.9105	0.3289	+7.3601
2035	Columbæ	6	11 38,63	1,981	−0,0003	+0,009	7.6404	8.9342	0.2969	+7.4413
2036	Columbæ	6	11 54,97	2,039	−0,0003	−0,002	7.6413	8.9250	0.3094	+7.4276
2037	Columbæ	6	12 1,60	2,057	−0,0003	+0,015	7.6425	8.9221	0.3133	+7.4239
2038	Geminorum	7	12 16,23	3,588	−0,0015	−0,002	7.5828	8.8537	0.5549	−7.1410
2039	Geminorum	7	12 23,60	3,590	−0,0015	−0,005	7.5873	8.8539	0.5551	−7.1468
2040	7 Monocerotis.....	6	12 29,34	2,889	−0,0005	+0,004	7.5640	8.8273	0.4607	+6.6947
2041*	Lyncis	7	12 30,97	5,249	−0,0071	−0,015	7.8429	9.1052	0.7201	−7.7737
2042	Geminorum	8	12 40,18	3,660	−0,0018	+0,008	7.6050	8.8619	0.5635	−7.2113
2043*	Lyncis	7	12 49,81	5,264	−0,0074	−0,004	7.8558	9.1073	0.7213	−7.7874
2044	46 Aurigæ	5	13 20,42	4,626	−0,0048	+0,003	7.7748	9.0094	0.6652	−7.6550
2045*	5 Lyncis	5½	13 42,33	5,248	−0,0078	−0,009	7.8822	9.1050	0.7200	−7.8129
2046*	Lyncis	7	13 46,06	5,076	−0,0070	.....	7.8588	9.0796	0.7055	−7.7792
2047	13 Geminorum ....μ	3	13 53,12	3,626	−0,0018	+0,010	7.6407	8.8578	0.5594	−7.2251
2048	Pictoris.....	6	14 12,08	0,839	−0,0022	+0,002	7.9054	9.1127	9.9239	+7.8391
2049	Pictoris.....	6	14 14,37	0,837	−0,0023	.....	7.9069	9.1130	9.9228	+7.8407
2050	Columbæ	5½	14 16,60	2,159	−0,0003	+0,001	7.7012	8.9062	0.3343	+7.4525
2051	1 Canis Majoris ..ζ	2½	14 33,41	2,300	−0,0003	+0,004	7.6890	8.8855	0.3618	+7.3880
2052	Puppis	6	14 33,56	+1,321	−0,0011	−0,009	7.8438	9.0403	+0.1208	+7.7443
2053	Mensæ .....α	6	14 41,24	−1,806	−0,0160	+0,008	8.2089	9.4016	−0.2567	+8.1932
2054	Columbæ	6	14 51,53	+1,974	−0,0004	−0,002	7.7475	8.9351	+0.2953	+7.5503
2055	Puppis	6	15 6,88	1,464	−0,0010	−0,018	7.8375	9.0176	0.1655	+7.7236
2056	Columbæ	5½	15 10,64	2,168	−0,0004	+0,003	7.7265	8.9048	0.3361	+7.4749
2057	Monocerotis.....	6	15 24,15	3,160	−0,0010	+0,003	7.6520	8.8239	0.4997	−6.4773
2058	Geminorum	7	15 29,21	3,696	−0,0022	+0,001	7.6965	8.8661	0.5677	−7.3244
2059	8 Monocerotis.....	5½	15 49,25	3,179	−0,0011	+0,004	7.6641	8.8243	0.5024	−6.5742
2060	Monocerotis.....	8	15 49,68	3,180	−0,0011	+0,004	7.6642	8.8243	0.5024	−6.5746
2061	2 Canis Majoris ..β	2½	16 5,74	2,640	−0,0004	+0,003	7.6916	8.8444	0.4216	+7.1789
2062	Puppis	6	16 9,74	1,554	−0,0009	+0,030	7.8520	9.0030	0.1916	+7.7276
2063	Geminorum	7	16 24,98	3,651	−0,0022	+0,010	7.7163	8.8605	0.5624	−7.3174
2064	Geminorum	7	16 25,81	+3,648	−0,0022	+0,005	7.7163	8.8601	+0.5620	−7.3153
2065*	Doradûs .....η^3	6	16 36,02	−0,004	−0,0059	.....	8.0836	9.2230	−7.5563	+8.0462
2066*	3 Canis Majoris	4	16 38,09	+2,193	−0,0003	+0,004	7.7626	8.9010	+0.3410	+7.5029
2067	14 Geminorum	7	16 42,62	3,602	−0,0021	+0,002	7.7183	8.8548	0.5565	−7.2867
2068	Puppis	6	16 49,20	1,752	−0,0007	+0,015	7.8373	8.9709	0.2434	+7.6844
2069	Camelopardi.....	6	17 6,98	9,398	−0,0551	.....	8.3825	9.5084	0.9730	−8.3730
2070*	Monocerotis.....	neb.	6 17 17	+3,337	−0,0015	.....	−7.7094	+8.8312	+0.5233	−7.0009

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2026	66 20 37,4	+0,85	+0,533	0,00	+7.5315	+8.2329	+9.9317	+9.9996	922	51	iii. 701	....	....	M 245
2027	119 44 29,7	0,89	0,336	−0,05	−9.9407	−8.3431	9.9497	9.9996	....	....	v. 567	2206	1183	
2028	66 28 34,7	0,89	0,532	−0,02	+6.9031	+8.2490	9.9501	9.9996	923	52	ii. 786	....	....	M 246
2029	66 40 12,8	0,90	0,531	−0,04	−7.4624	+8.2488	9.9533	9.9996	924	53	iii. 702	....	....	M 247
2030	100 40 24,5	0,92	0,411	−0,02	−9.7864	−7.9302	9.9647	9.9995	927	56	iii. 703			
2031	155 33 21,0	0,96	0,019	+0,05	−0.0370	−8.6381	9.9811	9.9995	....	....	.....	2230	1195	
2032	151 25 55,5	0,96	0,090	−0,10	−0.0353	−8.6244	9.9830	9.9995	....	....	v. 573	2224	1200	
2033	146 52 21,7	0,97	0,149	+0,10	−0.0309	−8.6084	9.9877	9.9995	....	....	v. 574	2222	1193	
2034	125 5 40,7	0,98	0,311	+0,03	−9.9682	−8.4491	9.9917	9.9995	....	65	ii. 787	2213	1191	J 148, P 289
2035	129 12 45,0	1,02	0,289	+0,11	−9.9857	−8.5066	0.0079	9.9994	....	68	iii. 706	2214	1194	
2036	127 41 14,0	1,04	0,297	−0,19	−9.9795	−8.5021	0.0180	9.9994	....	70	iii. 709	2217	1196	
2037	127 11 56,8	1,05	0,300	−0,02	−9.9775	−8.5012	0.0220	9.9994	....	71	iii. 711	2218	1197	
2038	68 48 21,4	1,07	0,523	+0,06	−8.6395	+8.2866	0.0307	9.9994	....	62	iii. 708	....	....	M 248
2039	68 44 14,1	1,08	0,523	+0,07	−8.6263	+8.2923	0.0350	9.9994	....	64	iii. 710	....	....	M 249
2040	97 45 49,1	1,09	0,421	−0,02	−9.7520	−7.8667	0.0384	9.9994	928	69	ii. 788			
2041	31 30 1,8	1,10	0,764	+0,07	+9.7957	+8.6679	0.0393	9.9994	....	55	iii. 707	....	....	B.F 872
2042	66 10 30,0	1,11	0,533	+0,10	+7.7993	+8.3487	0.0446	9.9993	....	67	iii. 713	....	....	M 250
2043	31 19 36,1	1,12	0,767	−0,04	+9.7975	+8.6794	0.0500	9.9993	....	57	iii. 712	....	....	B.F 873
2044	40 38 34,5	1,17	0,673	+0,06	+9.6765	+8.6449	0.0670	9.9993	926	66	ii. 789			
2045	31 30 30,8	1,20	0,764	+0,03	+9.7953	+8.7072	0.0787	9.9992	925	63	iii. 716	....	....	G 1146
2046	33 38 33,7	1,20	0,739	.....	+9.7713	+8.6988	0.0806	9.9992	....	....	.....	....	....	B.F 879
2047	67 24 51,7	1,21	0,528	+0,13	−8.2406	+8.3665	0.0843	9.9992	929	74	ii. 790	....	1202	M 251
2048	149 7 10,0	1,24	0,122	−0,68	−0.0331	−8.7255	0.0941	9.9992	....	....	.....	2242	1211	
2049	149 8 36,2	1,25	0,122	.....	−0.0332	−8.7268	0.0953	9.9992	....	....	v. 580	....	1212	
2050	124 20 7,0	1,25	0,314	+0,10	−9.9644	−8.5455	0.0964	9.9992	....	79	iii. 717	2228	1205	
2051	120 0 1,6	1,27	0,335	+0,03	−9.9419	−8.5016	0.1048	9.9991	933	81	ii. 791	2229	1207	J 149
2052	142 40 23,6	1,27	+0,192	−0,04	−0.0240	−8.7031	0.1049	9.9991	....	....	v. 581	2238	1213	
2053	164 41 50,3	1,28	−0,263	+0,04	−0.0323	−8.7908	0.1087	9.9991	....	....	.....	2283	1218	
2054	129 25 24,9	1,30	+0,287	−0,02	−9.9863	−8.6143	0.1137	9.9991	....	86	iii. 719	2233		
2055	140 17 58,1	1,32	0,213	+0,06	−0.0191	−8.7050	0.1211	9.9991	....	....	v. 582	2241	1215	
2056	124 4 47,9	1,33	0,316	−0,01	−9.9631	−8.5692	0.1229	9.9991	....	88	iii. 720	2234	1214	
2057	86 9 52,8	1,35	0,460	+0,06	−9.5638	+7.6524	0.1293	9.9990	....	82	ii. 793	....	....	W 383
2058	64 52 44,9	1,35	0,538	+0,10	+8.4871	+8.4574	0.1317	9.9990	....	78	ii. 792	....	....	W 382
2059	85 20 11,9	1,38	0,463	+0,02	−9.5458	+7.7488	0.1409	9.9990	931	84	ii. 794			
2060	85 20 0,4	1,38	0,463	.....	−9.5457	+7.7493	0.1411	9.9990	932	85	iv. 462			
2061	107 53 7,0	1,41	0,384	0,00	−9.8570	−8.3335	0.1484	9.9989	936	92	ii. 797	....	1217	J 150
2062	138 39 50,5	1,41	0,226	+0,51	−0.0152	−8.7235	0.1502	9.9989	....	....	v. 583	2247	1219	
2063	66 28 48,9	1,44	0,531	−0,05	+6.0000	+8.4558	0.1570	9.9989	....	87	ii. 795	....	....	W 384
2064	66 35 42,0	1,44	+0,531	0,00	−7.3222	+8.4541	0.1573	9.9989	....	89	ii. 796	....	....	W 385
2065	156 33 0,6	1,45	−0,001	−0,22	−0.0365	−8.8221	0.1618	9.9989	....	....	.....	2275	1223	
2066	123 21 48,6	1,45	+0,319	+0,09	−9.9595	−8.6008	0.1627	9.9989	939	95	ii. 798	2244	1221	J 151
2067	68 16 36,2	1,46	0,524	+0,01	−8.5315	+8.4308	0.1646	9.9988	934	91	iii. 722	....	....	M 252
2068	134 41 18,6	1,47	0,255	−0,14	−0.0043	−8.7124	0.1675	9.9988	....	....	v. 584	2253	1222	
2069	11 53 57,8	1,50	1,367	.....	+9.9476	+8.8634	0.1751	9.9988	....	....	.....	....	....	G 1151
2070	78 43	+1,51	+0,485	.....	−9.3627	+8.1685	+0.1793	+9.9988	....	....	.....	....	....	A

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2071	Mensæ	6	6 17 32,33	−0,949	−0,0121	−0,014	−8.2093	+9.3246	−9.9773	+8.1867
2072	Canis Majoris	6	17 33,80	+2,274	−0,0003	−0,029	7.7740	8.8890	+0.3568	+7.4841
2073	Canis Majoris	6	17 38,00	2,247	−0,0004	0,000	7.7799	8.8929	0.3516	+7.5006
2074*	6 Lyncis	6	17 44,63	+5,226	−0,0100	+0,001	7.9914	9.1016	+0.7182	−7.9211
2075	Mensæ	6	18 26,87	−1,174	−0,0145	.....	8.2527	9.3460	−0.0695	+8.2323
2076	Aurigæ	8	18 29,68	+3,989	−0,0037	−0,013	7.8147	8.9069	+0 6009	−7.5687
2077*	Canis Majoris	6	18 35,00	2,069	−0,0004	+0,010	7.8297	8.9198	0.3157	+7.6085
2078	Pictoris.....	6	18 43,38	0,368	−0,0048	+0,055	8.0900	9.1768	9.5657	+8.0428
2079	Canis Majoris	5½	18 49,01	2,080	−0,0005	−0,001	7.8333	8.9180	0.3180	+7.6091
2080*	15 Geminorum	6	18 50,14	3,579	−0,0023	0,000	7.7677	8.8519	0.5537	−7.3196
2081*	47 Aurigæ	6	18 50,47	4,488	−0,0061	+0,004	7.9027	8.9868	0.6521	−7.7653
2082*	48 Aurigæ	6	18 55,53	3,858	−0,0032	+0,002	7.8053	8.8875	0.5864	−7.5118
2083*	Camelopardi.....	6	18 57,77	7,657	−0,0350	.....	8.2956	9.3769	0.8841	−8.2780
2084	16 Geminorum	6	19 1,41	+ 3,571	−0,0023	+0,001	7.7712	8.8511	+0.5528	−7.3171
2085*	Mensæ	6	19 21,69	−15,550	−0,3923	+0,280	8.8960	9.9689	−1.1917	+8.8949
2086	77 Orionis.....	6	19 31,65	+ 3,080	−0,0011	+0,004	7.7539	8.8223	+0.4885	−5.5796
2087	9 Monocerotis.....	6½	19 35,00	2,971	−0,0009	+0,002	7.7563	8.8235	0.4729	+6.6283
2088	78 Orionis.....	6	19 35,73	3,066	−0,0011	+0,010	7.7554	8.8223	0.4866	+5.2810
2089	Columbæ	6	19 52,79	1,945	−0,0005	+0,010	7.8786	8.9393	0.2889	+7.6885
2090	18 Geminorum .... γ	4	20 3,37	3,563	−0,0024	+0,003	7.7933	8.8501	0.5519	−7.3336
2091	Geminorum	7	20 13,58	3,579	−0,0025	.....	7.7986	8.8517	0.5537	−7.3504
2092	Puppis	6	20 13,93	1,360	−0,0015	−0,014	7.9809	9.0339	0.1335	+7.8780
2093	Pictoris.....	6	20 14,73	1,074	−0,0023	−0,023	8.0252	9.0779	0.0312	+7.9453
2094	10 Monocerotis.....	6	20 33,28	2,962	−0,0010	+0,006	7.7775	8.8236	0.4716	+6.6887
2095*	Camelopardi.....	5½	20 35,15	10,406	−0,0864	+0,041	8.5248	9.5703	1.0173	−8.5178
2096	Argûs ..... α	1	20 37,46	1,328	−0,0017	+0,002	7.9942	9.0389	0.1232	+7.8943
2097	Aurigæ	6½	20 54,06	3,788	−0,0033	+0,002	7.8386	8.8774	0.5784	−7.5145
2098	Columbæ	6	20 58,75	1,918	−0,0006	+0,013	7.9064	8.9436	0.2828	+7.7224
2099*	Orionis.....	7	21 8,21	3,059	−0,0012	+0,009	7.7882	8.8221	0.4856	+5.7135
2100	Canis Majoris	6	21 9,14	2,428	−0,0004	−0,012	7.8339	8.8675	0.3853	+7.4720
2101*	Geminorum	7½	21 18,39	3,626	−0,0028	.....	7.8264	8.8569	0.5594	−7.4118
2102*	Puppis	6	21 23,77	1,317	−0,0017	.....	8.0119	9.0405	0.1197	+7.9131
2103	Columbæ	6	21 25,93	1,891	−0,0007	0,000	7.9200	8.9479	0.2766	+7.7417
2104	Pictoris.....	6	21 31,85	0,902	−0,0031	+0,012	8.0776	9.1034	9.9551	+8.0082
2105	11 Monocerotis.....	6½	21 33,11	2,909	−0,0009	+0,004	7.7998	8.8252	0.4637	+6.8820
2106	Puppis .....G	5½	21 47,82	1,588	−0,0012	+0,028	7.9767	8.9972	0.2008	+7.8484
2107	7 Lyncis	6	22 4,08	5,004	−0,0107	+0,019	8.0532	9.0683	0.6993	−7.9690
2108	Pictoris.....	6	22 22,24	0,747	−0,0039	−0,019	8.1164	9.1255	9.8735	+8.0548
2109	Canis Majoris	4½	22 36,75	2,223	−0,0004	+0,001	7.8913	8.8957	0.3470	+7.6214
2110	Aurigæ	6	22 39,85	3,920	−0,0042	+0,005	7.8926	8.8960	0.5933	−7.6235
2111	19 Geminorum	6½	22 59,83	3,452	−0,0024	+0,003	7.8419	8.8389	0.5381	−7.2823
2112	Canis Majoris	6	23 4,63	2,230	−0,0004	+0,007	7.8991	8.8946	0.3484	+7.6266
2113*	Lyncis	7	23 11,01	5,218	−0,0130	.....	8.1067	9.1002	0.7175	−8.0362
2114*	9 Lyncis	6½	23 21,91	5,080	−0,0119	−0,014	8.0896	9.0797	0.7059	−8.0107
2115	20 Geminorum	8	6 23 32,39	+3,500	−0,0026	−0,002	−7.8563	+8.8431	+0.5440	−7.3434

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2071	161 39 10,0	+1,53	−0,138	+0,72	−0.0346	−8.8607	+0.1856	+9.9987	....	....	.....	2298	1228	
2072	120 51 51,1	1,54	+0,331	−0,78	−9.9465	−8.5939	0.1860	9.9987	....	....	.....	2252	1224	
2073	121 42 57,8	1,54	0,327	+0,21	−9.9511	−8.6065	0.1879	9.9987	....	....	v. 585	2255	1225	
2074	31 44 6,2	1,55	+0,760	+0,36	+9.7922	+8.8181	0.1907	9.9987	930	90	iii. 724			
2075	162 34 5,3	1,61	−0,171	.....	−0.0338	−8.8849	0.2075	9.9986	....	....	.....	....	1236	
2076	55 25 15,0	1,62	+0,580	+0,01	+9.3189	+8.6604	0.2086	9.9986	937	....	.....	....	....	L 209
2077	126 56 20,4	1,62	0,301	+0,17	−9.9759	−8.6873	0.2107	9.9986	....	....	v. 587	2263	1227	
2078	153 45 17,4	1,64	0,054	−0,32	−0.0358	−8.8645	0.2139	9.9986	....	....	.....	2286	1234	
2079	126 37 56,0	1,65	0,302	+0,01	−9.9745	−8.6896	0.2161	9.9985	....	110	iii. 728	2265	1229	
2080	69 7 24,2	1,65	0,520	+0,04	−8.7016	+8.4662	0.2165	9.9985	940	100	ii. 799	....	....	M 253
2081	43 13 33,6	1,65	0,652	+0,03	+9.6325	+8.7770	0.2167	9.9985	935	96	iii. 725	....	....	G 1166
2082	59 25 13,1	1,65	0,561	+0,04	+9.1252	+8.6229	0.2186	9.9985	938	98	ii. 800	....	....	Airy (C)
2083	16 11 58,4	1,66	1,113	.....	+9.9222	+8.8997	0.2195	9.9985	....	....	.....	....	....	Wol. iii. 16
2084	69 25 10,0	1,66	+0,519	+0,04	−8.7482	+8.4646	0.2208	9.9985	941	101	ii. 801	....	....	M 254
2085	175 54 28,3	1,69	−2,260	−1,11	−0.0107	−8.9245	0.2278	9.9985	....	....	.....	2512	1269	
2086	89 36 58,8	1,71	+0,448	+0,05	−9.6307	+6.7557	0.2322	9.9984	943	107	ii. 802			
2087	94 16 14,4	1,71	0,432	0,00	−9.7050	−7.8031	0.2334	9.9984	945	111	iii. 730			
2088	90 11 31,7	1,71	0,446	+0,08	−9.6408	−6.4571	0.2337	9.9984	944	108	ii. 803			
2089	130 12 10,7	1,74	0,283	+0,01	−9.9888	−8.7476	0.2399	9.9984	....	117	iii. 732	2276	1237	
2090	69 41 54,4	1,75	0,518	+0,03	−8.7882	+8.4818	0.2437	9.9983	942	109	ii. 804	....	1235	M 255
2091	69 7 34,9	1,77	0,520	.....	−8.7042	+8.4970	0.2474	9.9983	....	....	.....	....	....	Z 410
2092	142 6 3,8	1,77	0,198	+0,05	−0.0223	−8.8424	0.2475	9.9983	....	....	v. 590	2285	1238	
2093	146 17 25,5	1,77	0,156	+0,02	−0.0291	−8.8656	0.2478	9.9983	....	....	.....	2292	1240	
2094	94 40 30,3	1,80	0,430	+0,05	−9.7107	−7.8633	0.2544	9.9983	948	116	ii. 806			
2095	10 17 18,9	1,80	1,512	+0,61	+9.9555	+8.9458	0.2550	9.9983	....	75	iii. 726	....	....	B.H 263
2096	142 36 56,4	1,80	0,193	0,00	−0.0232	−8.8537	0.2558	9.9982	....	....	ii. 807	2291	1241	J 152, R 92
2097	61 41 40,5	1,83	0,550	+0,10	+8.9547	+8.6353	0.2616	9.9982	....	114	iii. 733			
2098	130 53 25,1	1,83	0,279	+0,01	−9.9912	−8.7770	0.2632	9.9982	....	124	iii. 736	2284		
2099	90 28 57,1	1,85	0,444	+0,09	−9.6457	−6.8896	0.2665	9.9982	950	118	iii. 734			
2100	115 45 33,2	1,85	0,353	+0,11	−9.9157	−8.6026	0.2668	9.9982	....	....	v. 592	2279	1242	
2101	67 21 38,0	1,86	0,527	.....	−8.2355	+8.5531	0.2699	9.9981	....	....	.....	....	....	B.F 907
2102	142 47 42,4	1,87	0,191	.....	−0.0234	−8.8707	0.2718	9.9981	....	....	.....	2299		
2103	131 32 55,6	1,87	0,275	−0,12	−9.9935	−8.7919	0.2725	9.9981	....	128	iii. 740	2290	1243	
2104	148 27 41,0	1,88	0,131	−0,14	−0.0316	−8.9028	0.2745	9.9981	....	....	v. 594	2303	1246	
2105	96 56 26,2	1,88	0,422	−0,05	−9.7412	−8.0549	0.2749	9.9981	952	122	iii. 738			
2106	138 5 29,1	1,90	0,231	+0,18	−0.0132	−8.8493	0.2798	9.9980	....	....	.....	2297	1245	
2107	34 32 40,6	1,93	0,726	+0,03	+9.7588	+8.8987	0.2851	9.9980	....	115	iii. 737	....	....	G 1172
2108	150 11 54,0	1,96	0,109	−0,11	−0.0331	−8.9272	0.2910	9.9979	....	....	v. 595	2311	1248	
2109	122 29 18,4	1,98	0,323	−0,08	−9.9545	−8.7235	0.2957	9.9979	....	136	ii. 810	2295	1247	J 153, P 297
2110	57 26 35,0	1,98	0,569	−0,02	+9.2297	+8.7253	0.2967	9.9979	....	126	iii. 741			
2111	73 59 45,3	2,01	0,501	−0,01	−9.1547	+8.4412	0.3030	9.9978	953	130	ii. 809			
2112	122 16 40,7	2,02	0,324	−0,04	−9.9534	−8.7298	0.3045	9.9978	....	138	iii. 743	2300	1249	
2113	31 46 28,5	2,03	0,757	.....	+9.7905	+8.9337	0.3065	9.9978	....	....	.....	....	....	B.F 897
2114	33 30 9,8	2,04	0,737	+0,05	+9.7709	+8.9287	0.3099	9.9977	947	123	iii. 742	....	....	G 1179
2115	72 7 12,7	+2,06	+0,508	0,00	−9.0318	+8.4980	+0.3131	+9.9977	955	134	iv. 474	....	....	M 256

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2116*	Geminorum	7	6 23 33,08	+3,500	−0,0026	−0,004	−7.8565	+8.8431	+0.5440	−7.3438
2117	Columbæ	6	23 54,69	1,916	−0,0007	+0,016	7.9636	8.9436	0.2823	+7.7804
2118*	Monocerotis.....	7	23 57,07	+3,188	−0,0017	.....	7.8440	8.8232	+0.5035	−6.7881
2119	Doradûs .....π^1	5½	23 57,57	−0,563	−0,0130	−0,070	8.3063	9.2854	−9.7507	+8.2790
2120*	8 Lyncis	6	23 57,83	+5,531	−0,0164	−0,035	8.1653	9.1444	+0.7428	−8.1096
2121	Pictoris.....	6	24 5,30	0,376	−0,0061	+0,095	8.1989	9.1756	9.5750	+8.1515
2122	Columbæ	6	24 14,36	1,944	−0,0006	−0,043	7.9649	8.9390	0.2887	+7.7755
2123	12 Monocerotis.....	6	24 21,51	3,186	−0,0017	0,000	7.8512	8.8231	0.5032	−6.7877
2124	Pictoris.....	6	24 42,19	0,951	−0,0033	−0,014	8.1303	9.0960	9.9783	+8.0583
2125*	10 Lyncis	6½	24 47,55	5,528	−0,0169	−0,029	8.1799	9.1440	0.7426	−8.1242
2126	13 Monocerotis.....	5	24 47,56	3,244	−0,0018	+0,003	7.8609	8.8250	0.5111	−6.9730
2127	Canis Majoris	6	24 49,73	2,374	−0,0005	−0,013	7.9106	8.8741	0.3754	+7.5774
2128*	11 Lyncis	6	24 52,84	5,115	−0,0130	+0,004	8.1223	9.0849	0.7089	−8.0457
2129	Geminorum	6½	25 5,13	3,409	−0,0024	+0,005	7.8759	8.8349	0.5326	−7.2675
2130	Aurigæ.....	6½	25 19,43	3,886	−0,0046	0,000	7.9358	8.8907	0.5895	−7.6545
2131	Canis Majoris	6	25 19,43	2,640	−0,0007	−0,002	7.8881	8.8429	0.4216	+7.3770
2132	4 Canis Majoris ..ξ^1	5	25 36,53	2,498	−0,0005	+0,003	7.9082	8.8582	0.3976	+7.5056
2133	49 Aurigæ.....	6	25 45,07	3,781	−0,0041	+0,003	7.9282	8.8758	0.5776	−7.6017
2134	22 Geminorum	7½	25 48,20	3,542	−0,0030	+0,002	7.9003	8.8469	0.5493	−7.4246
2135	Columbæ	6	25 49,16	1,942	−0,0007	−0,006	7.9927	8.9391	0.2883	+7.8039
2136	Canis Majoris	6	25 52,48	2,135	−0,0006	−0,026	7.9632	8.9086	0.3294	+7.7235
2137	Puppis .....Z	5	26 6,46	1,480	−0,0016	−0,048	8.0727	9.0143	0.1702	+7.9579
2138	Columbæ	6	26 11,51	1,924	−0,0008	+0,009	8.0019	8.9421	0.2841	+7.8173
2139	Aurigæ.....	6	26 13,80	4,129	−0,0061	.....	7.9884	8.9279	0.6159	−7.7831
2140	Geminorum	7	26 14,51	3,460	−0,0027	−0,007	7.8996	8.8389	0.5390	−7.3483
2141	Canis Majoris	6	26 23,49	2,076	−0,0006	+0,005	7.9810	8.9178	0.3172	+7.7588
2142	Pictoris.....	6	26 26,46	0,567	−0,0056	+0,037	8.2142	9.1501	9.7539	+8.1603
2143*	41 Camelopardi.....	6½	26 37,67	5,573	−0,0186	−0,018	8.2171	9.1500	0.7461	−8.1632
2144*	14 Monocerotis.....	6	26 39,01	+3,250	−0,0020	+0,005	7.8924	8.8249	+0.5119	−7.0185
2145	Doradûs .....π^2	5½	26 44,17	−0,501	−0,0139	−0,035	8.3477	9.2788	−9.6998	+8.3195
2146	Carinæ	5½	26 52,75	+1,045	−0,0032	+0,010	8.1531	9.0819	+0.0192	+8.0755
2147	Canis Majoris	5½	27 2,81	2,243	−0,0005	+0,021	7.9661	8.8921	0.3509	+7.6893
2148	Canis Majoris	6	27 13,33	2,049	−0,0006	+0,013	7.9987	8.9219	0.3115	+7.7839
2149*	23 Geminorum	6½	27 20,94	3,474	−0,0029	+0,004	7.9189	8.8400	0.5409	−7.3827
2150	Puppis	6	27 48,06	1,389	−0,0020	−0,015	8.1147	9.0287	0.1426	+8.0096
2151	Puppis	6	27 48,09	1,734	−0,0010	−0,734	8.0587	8.9727	0.2392	+7.9097
2152	Pictoris.....	6	27 53,44	0,819	−0,0045	+0,047	8.2025	9.1150	9.9132	+8.1377
2153	Puppis	6	28 7,82	2,015	−0,0007	+0,001	8.0183	8.9272	0.3042	+7.8126
2154	Geminorum	6½	28 15,44	3,681	−0,0039	+0,011	7.9555	8.8623	0.5660	−7.5766
2155	51 Aurigæ.....	5½	28 15,51	4,165	−0,0068	−0,002	8.0265	8.9333	0.6196	−7.8302
2156	52 Aurigæ.....	5½	28 21,73	4,185	−0,0069	−0,004	8.0313	8.9365	0.6217	−7.8396
2157*	Ursæ Minoris	5	28 33,38	30,750	−1,4765	−0,027	9.2387	0.1404	1.4879	−9.2382
2158	Canis Majoris	5	28 33,65	2,102	−0,0006	−0,009	8.0111	8.9133	0.3227	+7.7816
2159	50 Aurigæ.....	5	28 36,89	4,291	−0,0078	+0,003	8.0524	8.9537	0.6326	−7.8830
2160	5 Canis Majoris ..ξ^2	5	6 28 46,49	+2,512	−0,0006	+0,010	−7.9571	+8.8560	+0.4000	+7.5463

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2116	72 6 55,2	+2,06	+0,508	−0,02	−9.0314	+8.4983	+0.3133	+9.9977	956	135	iii. 746	....	....	M 257
2117	130 58 47,4	2,09	0,278	−0,06	−9.9911	−8.8344	0.3199	9.9976	....	145	iii. 748	2307	1252	
2118	84 57 21,1	2,09	+0,462	.....	−9.5377	+7.9625	0.3206	9.9976	....	....	.....	....	....	B.F 914
2119	159 54 5,9	2,09	−0,082	+0,01	−0.0347	−8.9912	0.3207	9.9976	....	....	.....	2340	1259	
2120	28 23 38,2	2,09	+0,802	+0,22	+9.8251	+8.9629	0.3208	9.9976	946	125	iii. 745	....	....	G 1180
2121	153 44 18,4	2,10	0,055	−0,29	−0.0350	−8.9735	0.3231	9.9976	....	....	.....	2329	1257	
2122	130 16 32,3	2,12	0,282	−0,17	−9.9886	−8.8341	0.3257	9.9976	....	....	v. 599	2310	1254	
2123	85 2 35,8	2,13	0,462	+0,09	−9.5396	+7.9622	0.3279	9.9975	957	140	ii. 812			
2124	147 54 18,1	2,16	0,138	−0,47	−0.0305	−8.9597	0.3340	9.9975	....	....	v. 601	2328	1260	
2125	28 24 19,5	2,17	0,802	−0,01	+9.8248	+8.9776	0.3355	9.9975	949	132	iii. 747	....	....	G 1182
2126	82 33 41,6	2,17	0,470	+0,02	−9.4794	+8.1454	0.3355	9.9975	958	143	ii. 813			
2127	117 40 3,1	2,17	0,344	−0,05	−9.9273	−8.7008	0.3361	9.9975	....	148	ii. 815	2309	....	W 398
2128	33 1 44,6	2,17	0,742	−0,01	+9.7760	+8.9583	0.3371	9.9974	951	133	iii. 749	....	....	G 1184
2129	75 44 8,1	2,19	0,494	+0,18	−9.2448	+8.4300	0.3406	9.9974	....	144	ii. 814	....	....	W 397
2130	58 27 16,3	2,21	0,563	−0,04	+9.1767	+8.7611	0.3447	9.9973	....	142	iii. 751			
2131	107 57 24,0	2,21	0,383	−0,10	−9.8569	−8.5314	0.3447	9.9973	....	151	ii. 816	....	....	W 399
2132	113 18 48,6	2,24	0,362	−0,01	−9.8986	−8.6447	0.3495	9.9973	962	155	ii. 818	2313		
2133	61 51 58,6	2,25	0,548	+0,02	+8.9340	+8.7232	0.3519	9.9973	959	146	ii. 817			
2134	70 27 41,3	2,25	0,513	+0,04	−8.8848	+8.5749	0.3528	9.9972	960	147	iii. 752			
2135	130 20 55,7	2,26	0,281	+0,64	−9.9886	−8.8620	0.3531	9.9972	....	....	v. 602	2320	1263	
2136	125 9 28,0	2,26	0,309	+0,46	−9.9671	−8.8121	0.3540	9.9972	....	....	v. 603	2319	1264	
2137	140 8 13,9	2,28	0,214	+0,22	−0.0173	−8.9408	0.3579	9.9972	....	....	.....	2333	1267	
2138	130 48 46,4	2,29	0,279	+0,06	−9.9902	−8.8724	0.3593	9.9972	....	159	iii. 756	2326	1265	
2139	51 26 21,5	2,29	0,598	.....	+9.4472	+8.8524	0.3599	9.9972	....	....	.....	....	....	G 1190
2140	73 40 53,1	2,29	0,501	−0,02	−9.1380	+8.5065	0.3601	9.9972	....	152	iii. 755	....	....	M 258
2141	126 50 17,4	2,30	0,301	−0,03	−9.9745	−8.8381	0.3625	9.9971	....	160	iii. 757	2324	1268	
2142	152 3 4,2	2,31	0,082	−0,10	−0.0338	−9.0073	0.3634	9.9971	....	....	.....	2348	1271	
2143	27 57 19,7	2,33	0,807	−0,01	+9.8286	+9.0103	0.3664	9.9971	954	141	iii. 754			
2144	82 18 57,1	2,33	+0,471	+0,03	−9.4732	+8.1907	0.3668	9.9971	961	156	ii. 819			
2145	159 36 17,1	2,33	−0,073	−0,23	−0.0343	−9.0378	0.3682	9.9970	....	....	.....	2368	1275	
2146	146 45 4,5	2,35	+0,151	−0,02	−0.0288	−8.9906	0.3705	9.9970	....	....	v. 605	2343	1273	
2147	121 55 23,0	2,36	0,325	+0,11	−9.9511	−8.7942	0.3731	9.9970	....	164	iii. 759	2330	1270	
2148	127 35 4,4	2,38	0,297	0,00	−9.9775	−8.8590	0.3759	9.9969	....	166	iii. 760	2334	1272	
2149	73 5 8,8	2,39	0,503	−0,02	−9.1014	+8.5395	0.3780	9.9969	966	158	iii. 758	....	....	P 299
2150	141 43 20,1	2,43	0,201	−0,20	−0.0204	−8.9777	0.3850	9.9968	....	....	v. 606	2349	1276	
2151	135 11 43,1	2,43	0,251	−1,32	−0.0044	−8.9338	0.3850	9.9968	....	....	v. 608	2344	1284	
2152	149 29 7,2	2,44	0,119	+0,05	−0.0316	−9.0195	0.3864	9.9968	....	....	v. 609	2356	1279	
2153	128 30 44,4	2,46	0,292	−0,01	−9.9812	−8.8822	0.3901	9.9967	....	....	v. 610	2338	1278	
2154	65 17 28,0	2,47	0,533	+0,10	+8.3139	+8.7110	0.3921	9.9967	....	165	iii. 763			
2155	50 28 59,2	2,47	0,603	+0,11	+9.4723	+8.8935	0.3921	9.9967	963	161	iii. 761			
2156	49 58 32,3	2,48	0,606	+0,05	+9.4856	+8.8997	0.3937	9.9967	964	162	iii. 762			
2157	2 44 38,4	2,50	4.450	+0,08	+9.9869	+9.0944	0.3971	9.9966	....	21	iii. 739	....	....	B.H 470
2158	126 7 23,3	2,49	0,304	−0,08	−9.9710	−8.8650	0.3967	9.9966	....	172	iii. 766	2341	1281	
2159	47 23 5,6	2,50	0,621	+0,05	+9.5470	+8.9259	0.3975	9.9966	965	163	iii. 764			
2160	112 50 55,7	+2,51	+0,363	−0,06	−9.8949	−8.6869	+0.3999	+9.9966	972	170	ii. 821	....	....	J 154

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2161	53 Aurigæ	6½	6 28 52,10	+3,809	−0,0047	0,000	−7.9816	+8.8791	+0.5808	−7.6687
2162	Canis Majoris	5½	29 2,25	2,222	−0,0006	+0,023	8.0000	8.8949	0.3468	+7.7314
2163	24 Geminorum ....γ	2½	29 2,70	3,464	−0,0031	+0,005	7.9440	8.8387	0.5396	−7.3979
2164	Canis Majoris	6	29 16,77	2,180	−0,0006	+0,017	8.0100	8.9013	0.3384	+7.7564
2165	Puppis	6	29 28,78	1,878	−0,0009	+0,010	8.0609	8.9491	0.2736	+7.8862
2166	Pictoris.....	6	29 41,02	0,601	−0,0060	−0,024	8.2601	9.1454	9.7790	+8.2051
2167	Pictoris.....μ	5½	29 45,06	0,895	−0,0044	+0,027	8.2197	9.1039	9.9519	+8.1511
2168	6 Canis Majoris ..γ¹	6½	29 48,91	2,626	−0,0008	+0,002	7.9601	8.8434	0.4193	+7.4625
2169	Puppis	6	30 2,40	1,361	−0,0023	−0,028	8.1529	9.0329	0.1338	+8.0507
2170	54 Aurigæ	6	30 5,44	3,787	−0,0048	+0,001	7.9966	8.8758	0.5783	−7.6737
2171	7 Canis Majoris ..γ²	5	30 8,51	2,611	−0,0007	+0,006	7.9663	8.8448	0.4168	+7.4818
2172	Canis Majoris	6	30 11,60	2,084	−0,0006	+0,001	8.0381	8.9159	0.3189	+7.8142
2173	Geminorum	7	31 10,33	3,547	−0,0037	−0,002	7.9826	8.8463	0.5499	−7.5122
2174	8 Canis Majoris ..γ³	5½	31 17,69	2,637	−0,0008	+0,004	7.9799	8.8419	0.4212	+7.4725
2175*	Lyncis	7	31 34,44	5,327	−0,0190	−0,011	8.2573	9.1154	0.7265	−8.1931
2176	Carinæ	5	31 40,11	1,323	−0,0026	−0,009	8.1821	9.0388	0.1214	+8.0836
2177	Puppis	6	31 51,49	1,483	−0,0019	−0,037	8.1591	9.0132	0.1711	+8.0444
2178	25 Geminorum	7	31 53,55	3,784	−0,0051	+0,003	8.0214	8.8751	0.5780	−7.6977
2179	Canis Majoris	6	31 56,56	2,035	−0,0007	+0,014	8.0703	8.9233	0.3086	+7.8599
2180	Canis Majoris	5½	32 2,26	2,078	−0,0007	+0,009	8.0649	8.9165	0.3176	+7.8430
2181	Puppis	6	32 6,25	1,902	−0,0009	+0,019	8.0940	8.9447	0.2792	+7.9147
2182	55 Aurigæ	5	32 9,60	4,379	−0,0095	−0,002	8.1176	8.9676	0.6414	−7.9645
2183	Canis Majoris	6	32 10,81	2,237	−0,0006	+0,017	8.0425	8.8922	0.3496	+7.7693
2184*	Geminorum	7	32 42,43	3,463	−0,0034	.....	7.9952	8.8378	0.5395	−7.4494
2185*	15 Monocerotis.....	6	32 43,04	3,305	−0,0027	+0,005	7.9837	8.8262	0.5191	−7.2246
2186	Puppis	6	32 44,21	1,482	−0,0020	−0,025	8.1711	9.0133	0.1708	+8.0566
2187*	12 Lyncis	5½	32 57,53	5,325	−0,0198	−0,022	8.2758	9.1150	0.7263	−8.2115
2188	Argus .....γ	3	33 10,35	1,834	−0,0011	0,000	8.1193	8.9557	0.2634	+7.9536
2189	Monocerotis.....	6	33 22,49	3,085	−0,0019	−0,007	7.9856	8.8193	0.4893	−6.0269
2190	Canis Majoris	6	33 32,57	2,043	−0,0007	.....	8.0903	8.9218	0.3103	+7.8782
2191*	26 Geminorum	5½	33 40,22	3,495	−0,0037	+0,004	8.0107	8.8405	0.5434	−7.4957
2192*	13 Lyncis	5½	34 2,19	5,132	−0,0180	+0,027	8.2617	9.0867	0.7103	−8.1869
2193	Puppis V	5	34 38,54	1,598	−0,0017	+0,018	8.1769	8.9942	0.2036	+8.0486
2194	27 Geminorum .... ε	3	34 42,16	3,695	−0,0050	+0,005	8.0461	8.8626	0.5676	−7.6765
2195	Puppis	6	34 50,63	2,037	−0,0008	+0,013	8.1078	8.9225	0.3090	+7.8974
2196*	Carinæ	6	35 3,91	1,330	−0,0028	−0,006	8.2254	9.0373	0.1238	+8.1266
2197	28 Geminorum	6	35 15,09	3,807	−0,0058	+0,003	8.0679	8.8774	0.5805	−7.7550
2198*	42 Camelopardi.....	5	35 16,87	6,296	−0,0366	+0,006	8.4309	9.2401	0.7991	−8.3972
2199	30 Geminorum	5½	35 31,91	3,385	−0,0033	+0,006	8.0246	8.8306	0.5295	−7.3888
2200	56 Aurigæ	6	35 55,29	4,334	−0,0101	+0,003	8.1583	8.9596	0.6368	−7.9979
2201	57 Aurigæ	5½	36 13,31	4,586	−0,0128	+0,003	8.2034	9.0010	0.6615	−8.0808
2202*	Puppis	6	36 21,21	1,955	−0,0010	+0,015	8.1395	8.9355	0.2911	+7.9495
2203	Pictoris.....	6	36 23,18	0,649	−0,0071	−0,044	8.3428	9.1384	9.8123	+8.2863
2204	Puppis	6	36 42,98	1,631	−0,0017	.....	8.1969	8.9885	0.2125	+8.0644
2205	Puppis	6	6 36 45,49	+1,628	−0,0017	+0,020	−8.1979	+8.9889	+0.2118	+8.0658

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2161	60 53 35,9	+2,52	+0,551	+0,04	+9.0145	+8.7861	+0.4013	+9.9966	967	167	iii. 765			
2162	122 36 5,4	2,53	0,322	+0,07	−9.9543	−8.8330	0.4038	9.9965	....	175	iii. 768	2347	1283	
2163	73 28 37,0	2,54	0,501	+0,02	−9.1268	+8.5557	0.4040	9.9965	969	169	ii. 820	....	1280	M 259
2164	123 53 41,0	2,56	0,315	−0,06	−9.9606	−8.8516	0.4074	9.9965	....	177	iii. 769	2350	1285	
2165	131 58 46,5	2,57	0,272	−0,37	−9.9938	−8.9335	0.4104	9.9964	....	....	v. 612	2353	1288	
2166	151 46 6,5	2,59	0,087	−0,03	−0.0330	−9.0561	0.4133	9.9964	....	....	v. 615	2377	1293	
2167	148 38 25,2	2,60	0,130	−0,22	−0.0304	−9.0435	0.4143	9.9963	....	....	v. 616	2373	1292	
2168	108 32 22,0	2,60	0,380	−0,05	−9.8614	−8.6154	0.4153	9.9963	975	179	iii. 770			
2169	142 12 52,0	2,62	0,197	−0,20	−0.0209	−9.0141	0.4185	9.9963	....	....	v. 617	2369	1294	
2170	61 36 35,6	2,63	0,548	+0,04	+8.9523	+8.7941	0.4192	9.9963	970	173	ii. 822			
2171	109 7 52,0	2,63	0,378	+0,03	−9.8662	−8.6333	0.4200	9.9962	978	180	ii. 823	....	....	J 155
2172	126 39 42,6	2,63	0,301	−0,03	−9.9731	−8.8945	0.4207	9.9962	....	182	iii. 771	2359	1291	
2173	70 12 40,7	2,72	0,513	+0,20	−8.8627	+8.6619	0.4345	9.9960	....	181	iii. 773	....	....	M 260
2174	108 6 38,6	2,73	0,381	−0,04	−9.8576	−8.6265	0.4362	9.9959	979	189	ii. 824			
2175	30 24 46,7	2,75	0,770	+0,01	+9.8024	+9.0735	0.4400	9.9959	968	174	iii. 772	....	....	B.F 922
2176	142 51 17,1	2,76	0,191	+0,02	−0.0218	−9.0406	0.4413	9.9958	....	....	v. 621	2383	1302	
2177	140 10 28,1	2,78	0,214	−0,08	−0.0164	−9.0270	0.4439	9.9958	....	....	v. 622	2382	1305	
2178	61 40 13,5	2,78	0,547	+0,02	+8.9445	+8.8184	0.4443	9.9958	977	186	ii. 825			
2179	128 1 19,7	2,79	0,294	−0,10	−9.9786	−8.9323	0.4450	9.9958	....	195	iii. 776	2375		
2180	126 51 52,7	2,79	0,300	−0,09	−9.9737	−8.9222	0.4463	9.9957	....	197	iii. 777	2376	1303	
2181	131 25 57,8	2,80	0,275	+0,11	−9.9915	−8.9657	0.4472	9.9957	....	199	iii. 779	2379		
2182	45 20 16,2	2,81	0,632	+0,03	+9.5881	+8.9926	0.4479	9.9957	973	183	ii. 826			
2183	122 12 55,3	2,81	0,323	−0,09	−9.9519	−8.8728	0.4482	9.9957	....	198	iii. 778	2374	1304	
2184	73 28 3,2	2,85	0,500	.....	−9.1281	+8.6072	0.4552	9.9956	....	....	.....	....	....	M 261
2185	79 58 19,1	2,85	0,477	+0,09	−9.4064	+8.3940	0.4554	9.9956	981	193	ii. 827	....	....	W 404
2186	140 12 19,1	2,86	0,214	+0,13	−0.0163	−9.0389	0.4556	9.9956	....	....	v. 624	2390	1309	
2187	30 24 54,0	2,87	0,769	+0,03	+9.8020	+9.0920	0.4585	9.9955	971	185	iii. 780	....	....	G 1208
2188	133 3 59,5	2,89	0,265	−0,06	−9.9968	−8.9934	0.4613	9.9954	....	205	ii. 829	2386	1310	J 156
2189	89 22 11,9	2,91	0,445	+0,07	−9.6263	+7.2029	0.4639	9.9954	....	203	iii. 781			
2190	127 50 42,7	2,93	0,295	.....	−9.9776	−8.9517	0.4661	9.9953	....	....	.....	....	1314	
2191	72 12 45,6	2,94	0,504	+0,07	−9.0453	+8.6505	0.4677	9.9953	982	202	ii. 828	....	....	M 262
2192	32 40 56,0	2,97	0,740	+0,06	+9.7768	+9.0953	0.4724	9.9952	976	192	iii. 782	....	....	G 1212
2193	138 5 19,3	3,02	0,230	+0,07	−0.0110	−9.0495	0.4800	9.9950	....	....	v. 633	2402	1321	
2194	64 43 32,8	3,03	0,533	+0,02	+8.4728	+8.8089	0.4807	9.9950	983	204	ii. 831	....	1316	M 263
2195	128 1 20,1	3,04	0,294	+0,06	−9.9781	−8.9698	0.4825	9.9950	....	213	iii. 785	2397	1322	
2196	142 47 59,1	3,06	0,192	−0,13	−0.0210	−9.0842	0.4852	9.9949	....	....	v. 636	2409	1326	
2197	60 52 58,5	3,07	0,549	+0,03	+9.0078	+8.8725	0.4875	9.9948	986	207	ii. 832			
2198	22 16 18,6	3,08	0,907	−0,01	+9.8751	+9.1520	0.4879	9.9948	974	194	ii. 830	....	....	G 1215
2199	76 37 27,7	3,10	0,488	+0,02	−9.2869	+8.5529	0.4909	9.9948	987	211	ii. 833	....	....	M 264
2200	46 16 48,9	3,13	0,624	−0,14	+9.5671	+9.0330	0.4956	9.9946	985	209	iii. 787			
2201	41 3 33,1	3,16	0,661	+0,04	+9.6624	+9.0744	0.4992	9.9946	984	210	iii. 789			
2202	130 12 28,9	3,17	0,282	−0,05	−9.9863	−9.0085	0.5008	9.9945	....	219	v. 638	2411	1328	
2203	151 24 4,3	3,17	0,094	−0,18	−0.0313	−9.1424	0.5012	9.9945	....	....	v. 641	2432	1333	
2204	137 28 51,9	3,20	0,235	.....	−0.0090	−9.0703	0.5050	9.9944	....	....	v. 642	....	1331	
2205	137 32 5,3	+3,20	+0,234	+0,52	−0.0091	−9.0713	+0.5056	+9.9944	....	....	v. 643	2421	1332	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2206	31 Geminorum .... ξ	4	6 36 52,29	+3,377	−0,0034	−0,003	−8.0399	+8.8296	+0.5285	−7.3938
2207	Puppis	6	37 12,08	2,030	−0,0009	+0,013	8.1374	8.9231	0.3076	+7.9292
2208	32 Geminorum	6½	37 28,83	3,371	−0,0034	+0,005	8.0466	8.8291	0.5278	−7.3936
2209	43 Camelopardi.....	5	37 30,11	6,517	−0,0434	+0,010	8.4826	9.2648	0.8140	−8.4529
2210*	Camelopardi.....	5	38 6,23	8,854	−0,1054	+0,014	8.6957	9.4709	0.9471	−8.6847
2211	16 Monocerotis.....	6	38 21,57	3,273	−0,0030	+0,002	8.0507	8.8229	0.5150	−7.2324
2212	Puppis	6	38 22,71	2,001	−0,0009	−0,004	8.1556	8.9276	0.3013	+7.9548
2213	9 Canis Majoris .. α	1	38 32,47	2,680	−0,0010	−0,034	8.0659	8.8360	0.4281	+7.5196
2214	10 Canis Majoris	5½	38 46,37	2,281	−0,0007	+0,012	8.1168	8.8842	0.3582	+7.8276
2215	Puppis	6	39 6,16	1,483	−0,0024	−0,026	8.2485	9.0123	0.1712	+8.1347
2216*	17 Monocerotis.....	5	39 11,22	3,260	−0,0030	+0,010	8.0592	8.8220	0.5133	−7.2131
2217	Canis Majoris	neb.	39 31,78	2,575	−0,0009	+0,023	8.0873	8.8462	0.4108	+7.6340
2218	Canis Majoris	6	39 46,65	2,260	−0,0008	+0,001	8.1310	8.8872	0.3540	+7.8506
2219	Canis Majoris	6	39 48,45	2,286	−0,0007	+0,015	8.1275	8.8833	0.3590	+7.8368
2220*	14 Lyncis	5½	39 50,09	5,317	−0,0240	−0,001	8.3579	9.1134	0.7257	−8.2937
2221	11 Canis Majoris	6	40 0,53	2,736	−0,0012	+0,002	8.0773	8.8309	0.4371	+7.4691
2222*	18 Monocerotis.....	5	40 2,48	3,130	−0,0024	+0,007	8.0645	8.8177	0.4955	−6.7165
2223*	58 Aurigæ	5	40 9,17	4,254	−0,0105	−0,005	8.1938	8.9458	0.6288	−8.0189
2224*	12 Canis Majoris	6	40 35,99	2,569	−0,0009	+0,002	8.0994	8.8465	0.4098	+7.6509
2225	Puppis	6	41 3,71	2,057	−0,0009	+0,005	8.1761	8.9181	0.3132	+7.9617
2226	Puppis	6	41 4,82	1,991	−0,0010	0,000	8.1869	8.9288	0.2990	+7.9893
2227	Carinæ	6	41 6,99	1,221	−0,0038	−0,026	8.3123	9.0538	0.0867	+8.2234
2228	33 Geminorum	6	41 11,71	+3,457	−0,0043	+0,002	8.0942	8.8348	+0.5387	−7.5442
2229	Mensæ	6	41 23,60	−2,884	−0,0266	−0,020	8.7445	9.4830	−0.4601	+8.7342
2230	35 Geminorum	6	41 57,49	+3,388	−0,0039	+0,006	8.0964	8.8289	+0.5300	−7.4672
2231	Puppis ..... ε	5	42 13,24	2,052	−0,0009	−0,003	8.1889	8.9186	0.3122	+7.9760
2232	Carinæ	6	42 27,63	1,373	−0,0031	−0,043	8.3023	9.0295	0.1378	+8.2003
2233	36 Geminorum .... d	6	42 33,58	3,600	−0,0053	+0,007	8.1229	8.8490	0.5563	−7.6952
2234*	Puppis	6	42 39,92	1,629	−0,0020	−0,028	8.2628	8.9879	0.2120	+8.1314
2235*	59 Aurigæ	6	42 42,02	+4,136	−0,0099	+0,011	8.2014	8.9261	+0.6166	−8.0007
2236	Volantis	6	42 46,79	−0,131	−0,0171	−0,018	8.5131	9.2370	−9.1186	+8.4793
2237	34 Geminorum .... θ	5	42 53,87	+3,961	−0,0084	+0,002	8.1757	8.8984	+0.5978	−7.9248
2238*	Geminorum	6	42 54,07	3,649	−0,0057	.....	8.1322	8.8548	0.5622	−7.7376
2239*	60 Aurigæ	6	42 56,29	4,120	−0,0099	+0,016	8.2012	8.9234	0.6149	−7.9965
2240	Puppis	6	43 32,70	1,656	−0,0019	+0,001	8.2674	8.9833	0.2191	+8.1324
2241*	61 Aurigæ	6	43 40,17	4,122	−0,0101	+0,009	8.2088	8.9235	0.6151	−8.0047
2242	Puppis	6	43 45,35	1,819	−0,0014	−0,011	8.2425	8.9564	0.2598	+8.0814
2243	Geminorum	7½	43 52,15	3,696	−0,0063	0,000	8.1477	8.8604	0.5678	−7.7815
2244	Canis Majoris	6	44 6,73	2,397	−0,0008	+0,022	8.1564	8.8666	0.3797	+7.8158
2245	Puppis	6	44 10,17	1,820	−0,0015	−0,014	8.2466	8.9562	0.2600	+8.0854
2246	13 Canis Majoris .. κ	4	44 14,42	2,240	−0,0008	+0,002	8.1800	8.8890	0.3502	+7.9083
2247	Camelopardi.....	6	44 15,97	6,881	−0,0604	.....	8.5945	9.3031	0.8377	−8.5701
2248	15 Lyncis	5	44 16,33	5,221	−0,0250	+0,006	8.3905	9.0991	0.7178	−8.3217
2249*	Lyncis	6½	44 23,10	5,150	−0,0239	+0,006	8.3810	9.0884	0.7118	−8.3082
2250	Carinæ .....O	6	6 44 23,40	+1,170	−0,0044	−0,014	−8.3538	+9.0612	+0.0683	+8.2692

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2206	76 56 47,4	+3,21	+0,486	+0,17	−9.3008	+8.5585	+0.5069	+9.9944	989	217	ii. 836	....	1327	M 265
2207	128 15 16,1	3,24	0,292	+0,01	−9.9786	−9.0003	0.5107	9.9943	....	223	iii. 793	2418	1335	
2208	77 9 18,6	3,27	0,485	−0,02	−9.3092	+8.5586	0.5139	9.9942	990	218	iii. 792			
2209	20 56 48,6	3,27	0,938	0,00	+9.8844	+9.1822	0.5142	9.9942	980	208	ii. 835			
2210	12 50 39,7	3,32	1,273	+0,03	+9.9370	+9.2078	0.5210	9.9940	....	201	ii. 834	....	....	B.H 264
2211	81 15 32,3	3,34	0,471	+0,02	−9.4458	+8.4034	0.5239	9.9939	991	224	ii. 837			
2212	129 2 37,2	3,34	0,288	−0,08	−9.9814	−9.0212	0.5241	9.9939	....	230	iii. 795	2430	1338	
2213	106 30 50,8	3,36	0,385	+1,14	−9.8429	−8.6774	0.5259	9.9938	994	227	ii. 838	....	1337	M 266
2214	120 55 12,1	3,38	0,328	0,00	−9.9439	−8.9371	0.5285	9.9938	....	231	iii. 796	2429		
2215	140 18 14,4	3,41	0,213	−0,21	−0.0152	−9.1161	0.5321	9.9937	....	....	v. 647	2444	1340	
2216	81 48 18,7	3,41	0,469	0,00	−9.4609	+8.3848	0.5331	9.9936	993	228	ii. 839	....	....	P 313
2217	110 37 15,5	3,44	0,370	+0,03	−9.8769	−8.7814	0.5368	9.9935	....	233	iv. 490			
2218	121 37 29,6	3,46	0,325	+0,24	−9.9474	−8.9569	0.5395	9.9934	....	239	iii. 799	2437	1341	
2219	120 47 43,4	3,47	0,328	+0,05	−9.9431	−8.9469	0.5398	9.9934	....	238	iii. 800	2438		
2220	30 22 52,3	3,47	0,764	+0,04	+9.7995	+9.1737	0.5401	9.9934	988	222	iii. 797	....	....	G 1222
2221	104 16 8,5	3,48	0,393	−0,01	−9.8217	−8.6316	0.5420	9.9934	996	237	ii. 841			
2222	87 25 40,3	3,49	0,450	+0,03	−9.5903	+7.8922	0.5423	9.9933	995	234	ii. 840	....	....	P 314
2223	48 2 51,5	3,50	0,611	+0,11	+9.5258	+9.0664	0.5435	9.9933	992	229	iii. 798	....	....	G 1224
2224	110 51 26,0	3,53	0,369	+0,02	−9.8785	−8.7976	0.5483	9.9932	1001	241	iii. 802			
2225	127 37 1,1	3,57	0,295	0,00	−9.9751	−9.0365	0.5532	9.9930	....	245	iii. 803	2447	1345	
2226	129 22 59,2	3,58	0,286	+0,15	−9.9821	−9.0536	0.5533	9.9930	....	....	v. 652	2449	1346	
2227	144 34 40,0	3,58	0,175	+0,21	−0.0226	−9.1626	0.5537	9.9930	....	....	v. 656	2459	1352	
2228	73 37 49,9	3,59	+0,496	−0,06	−9.1433	+8.7023	0.5546	9.9930	997	240	ii. 842			
2229	167 32 43,0	3,60	−0,414	−0,51	−0.0229	−9.2440	0.5566	9.9929	....	....	.....	2527	1364	
2230	76 25 9,3	3,65	+0,486	0,00	−9.2808	+8.6309	0.5624	9.9927	1002	243	ii. 843	....	....	M 267 ?
2231	127 45 57,2	3,67	0,294	−0,10	−9.9755	−9.0500	0.5651	9.9926	....	253	ii. 845	2455	1359	
2232	142 15 2,6	3,69	0,197	+0,54	−0.0182	−9.1633	0.5675	9.9925	....	....	v. 660	2471	1360	
2233	68 4 0,4	3,70	0,516	+0,02	−8.5502	+8.8386	0.5685	9.9925	1004	247	ii. 844	....	....	M 268
2234	137 38 41,7	3,71	0,234	+0,40	−0.0080	−9.1360	0.5696	9.9924	....	....	v. 661	2469	1361	
2235	50 57 30,0	3,72	+0,593	+0,02	+9.4501	+9.0670	0.5700	9.9924	999	244	iv. 495	....	....	G 1229
2236	157 41 30,1	3,72	−0,019	+0,12	−0.0309	−9.2347	0.5708	9.9924	....	....	.....	2495	1367	
2237	55 51 49,1	3,73	+0,568	+0,05	+9.2838	+9.0188	0.5719	9.9924	1003	248	ii. 846			
2238	66 13 33,6	3,73	0,523	.....	−7.0000	+8.8752	0.5720	9.9924	....	....	.....	....	....	B.F 963
2239	51 22 47,6	3,74	0,590	+0,15	+9.4379	+9.0654	0.5723	9.9923	1000	246	iii. 804	....	....	G 1230
2240	137 8 1,5	3,79	0,237	−0,22	−0.0065	−9.1412	0.5784	9.9921	....	....	v. 664	2476	1366	
2241	51 19 1,1	3,80	0,590	+0,01	+9.4392	+9.0733	0.5796	9.9921	1005	252	iii. 805	....	....	G 1234
2242	133 38 2,0	3,81	0,261	−0,33	−9.9963	−9.1171	0.5804	9.9920	....	....	v. 666	2475	1368	
2243	64 30 46,0	3,82	0,529	+0,22	+8.4871	+8.9131	0.5815	9.9920	....	254	iii. 806			
2244	117 9 46,4	3,84	0,343	−0,20	−9.9213	−8.9412	0.5839	9.9919	....	....	v. 667	2470	1369	
2245	133 38 1,8	3,84	0,260	+0,07	−9.9963	−9.1211	0.5845	9.9919	....	....	v. 668	2481	1372	
2246	122 20 19,5	3,85	0,321	+0,01	−9.9502	−9.0112	0.5852	9.9919	1008	259	ii. 848	2474	1371	J 158
2247	18 59 59,7	3,85	0,985	.....	+9.8958	+9.2589	0.5854	9.9919	....	....	.....	....	....	G 1228
2248	31 23 17,5	3,85	0,747	+0,18	+9.7866	+9.2145	0.5855	9.9919	998	250	ii. 847			
2249	32 15 13,8	3,86	0,737	−0,01	+9.7769	+9.2116	0.5866	9.9918	....	251	iii. 807	....	....	B.H 961
2250	145 22 37,9	+3,86	+0,168	+0,43	−0.0229	−9.1997	+0.5866	+9.9918	....	....	v. 669	2490	1376	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2251	Canis Majoris	5½	6 44 43,18	+2,266	−0,0008	+0,002	−8.1809	+8.8850	+0.3552	+7.8994
2252*	Canis Majoris	5	45 25,24	2,180	−0,0009	+0,007	8.2006	8.8978	0.3384	+7.9503
2253*	Puppis X	5½	45 40,81	1,692	−0,0019	−0,021	8.2824	8.9771	0.2283	+8.1427
2254	37 Geminorum	6	46 5,09	3,697	−0,0065	−0,001	8.1691	8.8598	0.5679	−7.8040
2255	38 Geminorum .... *e*	5½	46 10,77	3,382	−0,0043	+0,005	8.1372	8.8270	0.5292	−7.5010
2256	Argûs .....τ	4	46 12,94	1,485	−0,0028	+0,005	8.3215	9.0109	0.1717	+8.2085
2257	Puppis	6	46 22,82	1,890	−0,0013	+0,009	8.2562	8.9440	0.2766	+8.0819
2258	Puppis ..... *u*	5½	46 25,15	2,117	−0,0009	−0,001	8.2198	8.9073	0.3258	+7.9895
2259	Carinæ .....B	5	46 35,07	1,304	−0,0037	−0,025	8.3541	9.0400	0.1154	+8.2589
2260	Pictoris.....α	4	46 39,00	0,631	−0,0092	−0,020	8.4549	9.1401	9.7997	+8.3999
2261	16 Lyncis	6	46 39,78	+4,393	−0,0139	−0,002	8.2824	8.9675	+0.6428	−8.1340
2262	Volantis	6	46 46,58	−1,196	−0,0377	+0,180	8.6633	9.3474	−0.0776	+8.6438
2263	15 Canis Majoris	5½	47 3,71	+2,593	−0,0010	+0,001	8.1605	8.8418	+0.4138	+7.6954
2264	14 Canis Majoris .. θ	5	47 13,41	2,796	−0,0015	−0,005	8.1442	8.8240	0.4465	+7.4569
2265	Geminorum	7	47 32,86	3,494	−0,0052	−0,005	8.1594	8.8361	0.5433	−7.6476
2266	Canis Majoris	6	47 36,06	2,365	−0,0008	+0,035	8.1937	8.8699	0.3739	+7.8700
2267*	16 Canis Majoris .. o^1	4	47 54,73	2,488	−0,0010	+0,004	8.1803	8.8536	0.3959	+7.7896
2268	Puppis	6½	47 57,54	1,880	−0,0013	−0,030	8.2726	8.9455	0.2741	+8.1008
2269	17 Canis Majoris	6	48 34,18	2,589	−0,0010	+0,003	8.1745	8.8417	0.4132	+7.7130
2270	62 Aurigæ	6½	48 49,19	4,101	−0,0110	−0,001	8.2540	8.9190	0.6129	−8.0458
2271	Geminorum	7	48 58,47	3,498	−0,0054	−0,005	8.1724	8.8360	0.5438	−7.6646
2272	19 Canis Majoris	5½	49 7,45	2,596	−0,0012	+0,010	8.1786	8.8407	0.4144	+7.7116
2273	18 Canis Majoris ..μ	5½	49 14,41	2,749	−0,0015	+0,005	8.1655	8.8266	0.4391	+7.5447
2274	20 Canis Majoris .. ι	4½	49 26,89	2,675	−0,0013	+0,001	8.1736	8.8328	0.4273	+7.6361
2275	39 Geminorum	6½	49 32,52	3,715	−0,0072	−0,009	8.2027	8.8610	0.5700	−7.8487
2276	Carinæ	6	49 35,93	1,280	−0,0042	−0,003	8.3856	9.0435	0.1071	+8.2930
2277	Puppis	6	49 43,21	1,888	−0,0014	−0,001	8.2870	8.9438	0.2759	+8.1140
2278	40 Geminorum	6½	50 12,03	3,710	−0,0072	+0,001	8.2077	8.8602	0.5694	−7.8513
2279	Puppis	6	50 19,46	1,492	−0,0030	−0,024	8.3579	9.0092	0.1736	+8.2449
2280	Geminorum	7	51 13,61	3,448	−0,0052	+0,007	8.1871	8.8304	0.5376	−7.6311
2281	Canis Majoris	6	51 22,59	2,478	−0,0010	+0,004	8.2116	8.8537	0.3941	+7.8284
2282	Puppis	6	51 22,69	2,153	−0,0009	+0,002	8.2583	8.9003	0.3330	+8.0185
2283	Geminorum	8	51 35,00	3,641	−0,0069	+0,005	8.2106	8.8509	0.5612	−7.8138
2284*	Canis Majoris	6	51 35,41	2,469	−0,0009	.....	8.2146	8.8548	0.3925	+7.8371
2285	41 Geminorum	6½	51 38,51	+3,451	−0,0053	+0,002	8.1908	8.8306	+0.5380	−7.6386
2286	Volantis	6	51 39,20	−0,472	−0,0266	−0,017	8.6350	9.2746	−9.6737	+8.6074
2287	Geminorum	7	51 42,49	+3,806	−0,0084	+0,002	8.2336	8.8727	+0.5804	−7.9248
2288	Puppis	6	51 55,47	2,148	−0,0010	−0,027	8.2637	8.9010	0.3320	+8.0257
2289*	Puppis	6	52 16,91	+1,597	−0,0025	+0,014	8.3573	8.9915	+0.2034	+8.2319
2290	Mensæ ..... ζ	5½	52 26,54	−4,837	−0,1736	+0,019	8.9688	9.6017	−0.6846	+8.9630
2291	Canis Majoris	6	52 27,13	+2,457	−0,0009	+0,003	8.2232	8.8559	+0.3905	+7.8526
2292*	Monocerotis.....	6	52 41,10	3,320	−0,0044	.....	8.1894	8.8202	0.5211	−7.4634
2293	21 Canis Majoris .. ε	2½	52 43,86	2,356	−0,0009	+0,004	8.2392	8.8695	0.3721	+7.9216
2294	Lyncis	6	52 45,52	5,327	−0,0321	+0,008	8.4834	9.1135	0.7265	−8.4210
2295	Puppis ..... *t*	5	6 52 55,64	+2,196	−0,0009	−0,001	−8.2645	+8.8932	+0.3416	+8.0111

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2251	121 32 5,6	+3,89	+0,324	−0,02	−9.9460	−9.0061	+0.5898	+9.9917	....	261	iii. 809	2479	1375	
2252	124 11 44,6	3,95	0,312	+0,13	−9.9590	−9.0440	0.5965	9.9914	....	267	ii. 849	2486	1378	P 318
2253	136 27 31,4	3,97	0,242	−0,17	−0.0041	−9.1569	0.5989	9.9913	....	....	v. 671	2492	1379	
2254	64 26 31,7	4,01	0,528	−0,01	+8.4942	+8.9353	0.6027	9.9912	1007	264	ii. 850			
2255	76 38 8,4	4,01	0,483	+0,06	−9.2916	+8.6652	0.6036	9.9911	1009	266	ii. 851	....	....	M 269
2256	140 26 17,5	4,02	0,212	+0,11	−0.0136	−9.1887	0.6039	9.9911	....	....	ii. 852	2505	1383	J 159
2257	132 1 21,3	4,03	0,270	−1,38	−9.9904	−9.1289	0.6054	9.9911	....	....	v. 674	2498	1384	
2258	126 2 59,5	4,03	0,303	+0,07	−9.9673	−9.0733	0.6058	9.9910	....	271	iii. 811	2493	1382	
2259	143 26 54,4	4,05	0,186	+0,08	−0.0192	−9.2100	0.6073	9.9910	....	....	v. 677	2511	1388	
2260	151 46 53,6	4,05	0,090	−0,26	−0.0287	−9.2507	0.6079	9.9909	....	....	v. 678	2525	1389	J 161
2261	44 43 3,7	4,06	+0,628	+0,02	+9.5917	+9.1574	0.6080	9.9909	1006	263	iii. 810			
2262	162 56 21,7	4,07	−0,171	−1,77	−0.0267	−9.2873	0.6091	9.9909	....	....	.....	2547	1396	
2263	110 2 36,9	4,09	+0,370	+0,02	−9.8711	−8.8444	0.6117	9.9908	1012	275	ii. 853			
2264	101 51 17,7	4,10	0,399	+0,04	−9.7964	−8.6236	0.6131	9.9907	1011	274	ii. 854	....	....	J160, P319
2265	72 4 26,0	4,13	0,499	+0,11	−9.0481	+8.8021	0.6161	9.9906	....	270	ii. 855	....	....	M 270
2266	118 20 12,1	4,14	0,338	+0,33	−9.9276	−8.9907	0.6165	9.9906	....	278	iii. 813	2501	1390	
2267	114 0 0,1	4,16	0,355	−0,01	−9.9000	−8.9264	0.6193	9.9904	1014	279	ii. 857	2506	1393	J162, P320
2268	132 19 22,4	4,17	0,268	+0,24	−9.9910	−9.1457	0.6197	9.9904	....	....	v. 681	2518	1395	
2269	110 13 6,4	4,22	0,369	+0,05	−9.8722	−8.8615	0.6252	9.9902	1016	282	ii. 858			
2270	51 44 49,8	4,24	0,585	+0,10	+9.4221	+9.1169	0.6274	9.9901	1010	276	iii. 816			
2271	71 54 18,9	4,25	0,499	+0,02	−9.0374	+8.8187	0.6287	9.9900	....	281	ii. 859	....	....	M 271
2272	109 57 1,7	4,27	0,370	+0,02	−9.8700	−8.8608	0.6300	9.9900	1018	287	ii. 860			
2273	103 51 10,6	4,28	0,392	0,00	−9.8164	−8.7080	0.6310	9.9899	1017	286	ii. 862			
2274	106 51 48,9	4,29	0,381	−0,01	−9.8443	−8.7931	0.6328	9.9898	1019	289	ii. 863	....	....	J163, P321
2275	63 43 36,5	4,30	0,529	−0,10	+8.6355	+8.9775	0.6336	9.9898	1013	283	ii. 861	....	....	M 272
2276	143 54 19,2	4,31	0,182	−0,01	−0.0191	−9.2393	0.6341	9.9898	....	....	v. 685	2537	1401	
2277	132 10 45,6	4,32	0,269	+0,08	−9.9900	−9.1600	0.6352	9.9897	....	291	iii. 818	2530	1400	
2278	63 53 12,9	4,36	0,528	−0,01	+8.6010	+8.9806	0.6393	9.9895	1015	288	ii. 864	....	....	M 273
2279	140 25 56,6	4,37	0,212	−0,35	−0.0123	−9.2251	0.6403	9.9894	....	....	v. 688	2541	1406	
2280	73 51 28,8	4,45	0,490	+0,04	−9.1638	+8.7898	0.6479	9.9891	....	294	ii. 865	....	....	W 416
2281	114 26 24,9	4,46	0,352	+0,07	−9.9023	−8.9637	0.6492	9.9890	....	300	ii. 867	2535	1410	W 418
2282	125 8 53,4	4,46	0,306	+0,29	−9.9619	−9.1071	0.6492	9.9890	....	....	v. 691	2539	1411	
2283	66 21 22,1	4,48	0,518	+0,07	−7.8195	+8.9519	0.6509	9.9889	....	296	iii. 821	....	....	M 274
2284	114 47 18,2	4,48	0,351	.....	−9.9046	−8.9712	0.6509	9.9889	....	....	.....	2538		
2285	73 43 4,6	4,48	+0,491	−0,04	−9.1563	+8.7969	0.6514	9.9889	1020	297	ii. 866	....	....	M 275
2286	159 48 6,2	4,48	−0,067	−0,07	−0.0272	−9.3217	0.6515	9.9889	....	....	.....	2586	1420	
2287	60 34 44,3	4,49	+0,541	0,00	+9.0035	+9.0410	0.6519	9.9889	....	295	iii. 822			
2288	125 18 45,8	4,51	0,305	+0,07	−9.9626	−9.1134	0.6537	9.9888	....	....	.....	2546	1412	
2289	138 31 33,4	4,54	+0,227	+0,13	−0.0075	−9.2290	0.6566	9.9886	....	....	v. 696	2557	1418	
2290	170 38 58,4	4,55	−0,687	+0,11	−0.0135	−9.3499	0.6579	9.9885	....	....	.....	2648	1435	
2291	115 13 0,0	4,55	+0,349	+0,17	−9.9071	−8.9852	0.6580	9.9885	....	303	ii. 868	....	1416	W 419
2292	79 10 8,3	4,57	0,471	.....	−9.3860	+8.6316	0.6599	9.9884	....	....	.....	....	....	B.F 984
2293	118 46 17,7	4,57	0,335	−0,01	−9.9289	−9.0405	0.6603	9.9884	1023	304	ii. 869	2550	1419	J 164
2294	29 59 3,8	4,58	0,756	+0,02	+9.7969	+9.2959	0.6605	9.9884	....	293	iii. 823	....	....	B.F 971
2295	123 54 40,5	+4,59	+0,312	−0,01	−9.9558	−9.1062	+0.6619	+9.9883	....	306	iii. 825	2554	1421	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2296	Puppis	6	6 52 56,38	+1,832	−0,0016	−0,029	−8.3237	+8.9523	+0.2629	+8.1622
2297	Volantis ..... *i*	5½	53 6,80	−0,661	−0,0310	−0,017	8.6675	9.2946	−9.8201	+8.6426
2298	Canis Majoris	8	53 11,75	+2,357	−0,0009	+0,015	8.2429	8.8693	+0.3723	+7.9251
2299	42 Geminorum .... ω	6	53 16,17	3,661	−0,0072	+0,003	8.2270	8.8528	0.5637	−7.8435
2300	Lyncis	6	53 43,68	4,795	−0,0225	+0,004	8.4102	9.0322	0.6808	−8.3125
2301	Geminorum	6½	53 58,06	3,809	−0,0088	+0,014	8.2525	8.8724	0.5808	−7.9460
2302	Puppis	6	54 20,08	1,745	−0,0020	+0,007	8.3496	8.9664	0.2419	+8.2033
2303*	Canis Majoris	6	54 59,23	2,443	−0,0010	−0,138	8.2455	8.8569	0.3879	+7.8843
2304	Monocerotis	6	55 6,33	3,284	−0,0044	+0,019	8.2065	8.8170	0.5165	−7.4173
2305	43 Geminorum .... ζ	4	55 12,62	3,563	−0,0065	+0,004	8.2308	8.8404	0.5519	−7.7808
2306*	Monocerotis	6	55 19,37	3,327	−0,0046	.....	8.2107	8.8194	0.5220	−7.4978
2307	19 Monocerotis	5½	55 28,02	2,979	−0,0025	+0,003	8.2046	8.8121	0.4741	+7.0509
2308	Carinæ	6	55 44,64	1,181	−0,0055	−0,006	8.4527	9.0580	0.0723	+8.3688
2309	22 Canis Majoris	3½	55 44,79	2,389	−0,0010	+0,002	8.2586	8.8639	0.3781	+7.9263
2310	Carinæ	6	55 47,78	1,133	−0,0058	.....	8.4606	9.0655	0.0543	+8.3801
2311*	Monocerotis	var.	56 0,42	2,979	−0,0026	+0,013	8.2087	8.8119	0.4740	+7.0577
2312	17 Lyncis	6	56 10,23	5,413	−0,0361	+0,003	8.5236	9.1255	0.7334	−8.4655
2313	44 Geminorum	6½	56 16,38	3,617	−0,0072	+0,003	8.2452	8.8462	0.5584	−7.8345
2314	Geminorum	6	56 17,59	3,968	−0,0110	−0,016	8.2948	8.8957	0.5986	−8.0501
2315	Puppis	6	56 24,00	2,151	−0,0010	−0,030	8.2990	8.8990	0.3327	+8.0612
2316	Puppis	6	56 26,07	1,583	−0,0028	−0,018	8.3933	8.9930	0.1995	+8.2705
2317	Camelopardi	6	56 37,24	11,760	−0,3290	−0,088	9.0433	9.6415	1.0704	−9.0385
2318	24 Canis Majoris .. 0^2	4	56 45,80	2,504	−0,0011	+0,003	8.2513	8.8485	0.3986	+7.8541
2319	23 Canis Majoris .. γ	4	56 58,36	2,713	−0,0015	+0,005	8.2308	8.8263	0.4335	+7.6554
2320*	Ursæ Minoris	6	57 3,17	80,198	−22,4350	−0,323	9.9903	0.5851	1.9042	−9.9902
2321	Carinæ ..... S	6	57 13,55	1,460	−0,0035	+0,001	8.4197	9.0131	0.1643	+8.3114
2322	Canis Minoris	6	57 26,23	3,285	−0,0045	+0,008	8.2242	8.8160	0.5166	−7.4376
2323	Geminorum	7½	57 34,42	3,491	−0,0062	−0,001	8.2411	8.8318	0.5429	−7.7303
2324	Puppis	6	57 37,15	1,855	−0,0017	+0,008	8.3569	8.9472	0.2684	+8.1922
2325*	Carinæ	6	58 45,93	0,941	−0,0080	+0,021	8.5129	9.0942	9.9736	+8.4447
2326*	Camelopardi	4½	59 12,40	13,137	−0,4520	+0,009	9.1262	9.7042	1.1185	−9.1227
2327	Puppis C	5	59 17,78	1,902	−0,0015	+0,009	8.3616	8.9390	0.2792	+8.1882
2328	Puppis	5½	59 21,47	1,848	−0,0017	−0,010	8.3711	8.9479	0.2668	+8.2081
2329*	Geminorum	7	59 37,80	3,435	−0,0059	+0,006	8.2509	8.8257	0.5360	−7.6850
2330	45 Geminorum	6	59 45,74	3,445	−0,0060	+0,002	8.2527	8.8265	0.5372	−7.6975
2331	Geminorum	7	59 46,04	3,828	−0,0100	+0,019	8.2994	8.8731	0.5830	−8.0033
2332	Puppis II	5½	6 59 59,34	+1,566	−0,0031	−0,031	8.4231	8.9951	+0.1947	+8.3033
2333	Volantis	6	7 0 4,29	−0,080	−0,0231	−0,027	8.6584	9.2299	−8.9015	+8.6247
2334*	Lyncis	6	0 27,97	+4,610	−0,0218	.....	8.4324	9.0008	+0.6637	−8.3168
2335	Puppis	6½	0 52,96	2,057	−0,0012	−0,011	8.3475	8.9128	0.3133	+8.1383
2336	Carinæ	6	0 56,76	0,928	−0,0085	+0,002	8.5311	9.0960	9.9673	+8.4640
2337	Puppis	6½	1 11,87	1,905	−0,0016	−0,001	8.3749	8.9379	0.2799	+8.2013
2338	63 Aurigæ	5	1 19,91	4,136	−0,0144	+0,009	8.3592	8.9211	0.6166	−8.1632
2339*	Carinæ	5½	1 29,58	1,121	−0,0065	+0,001	8.5057	9.0665	0.0497	+8.4269
2340	46 Geminorum .... τ	5	7 1 35,29	+3,829	−0,0103	+0,002	−8.3126	+8.8726	+0.5831	−8.0179

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2296	133 35 16,0	+4,59	+0,260	−0,06	−9.9937	−9.1982	+0.6620	+9.9883	....	....	v. 697	2561	1422	
2297	160 46 30,9	4,61	−0,094	−0,03	−0.0261	−9.3362	0.6634	9.9882	....	....	.....	2597	1428	R 94
2298	118 45 26,8	4,61	+0,335	−0,20	−9.9287	−9.0440	0.6640	9.9882	....	307	iv. 505	....	....	B.F 989
2299	65 34 33,8	4,62	0,520	+0,01	+7.8633	+8.9788	0.6646	9.9882	1021	302	ii. 870	....	....	M 276
2300	37 1 25,9	4,66	0,680	+0,02	+9.7121	+9.2682	0.6683	9.9880	....	301	iii. 826			
2301	60 24 57,6	4,68	0,540	+0,72	+9.0116	+9.0614	0.6702	9.9879	....	305	ii. 871	....	....	W 421
2302	135 33 49,9	4,71	0,247	+0,04	−9.9991	−9.2245	0.6730	9.9877	....	314	iii. 828	2576	1430	
2303	115 48 23,3	4,77	0,346	.....	−9.9104	−9.0147	0.6781	9.9874	....	....	.....	2573	1432	
2304	80 38 58,3	4,78	0,465	+0,10	−9.4320	+8.5876	0.6790	9.9873	....	313	iii. 829			
2305	69 12 52,6	4,79	0,505	+0,01	−8.7860	+8.9277	0.6799	9.9873	1024	312	ii. 872	....	1431	M 277
2306	78 49 59,6	4,79	0,471	.....	−9.3760	+8.6656	0.6807	9.9872	....	....	.....	....	....	B.F 987
2307	94 1 31,9	4,81	0,422	−0,03	−9.6999	−8.2260	0.6818	9.9872	1026	315	ii. 873			
2308	145 31 15,5	4,83	0,167	+0,33	−0.0195	−9.2978	0.6840	9.9870	....	....	v. 705	2594	1439	
2309	117 43 23,2	4,83	0,338	+0,01	−9.9220	−9.0494	0.6840	9.9870	1027	320	ii. 875	2581	1437	J 165
2310	146 11 13,3	4,83	0,160	.....	−0.0203	−9.3017	0.6844	9.9870	....	....	v. 706	....	1440	
2311	94 3 0,6	4,85	0,422	.....	−9.7002	−8.2327	0.6860	9.9869	....	319	iii. 832			
2312	28 58 44,5	4,87	0,766	+0,04	+9.8052	+9.3269	0.6872	9.9868	1022	308	iii. 830			
2313	67 8 35,5	4,88	0,512	+0,02	−8.3636	+8.9751	0.6880	9.9868	1025	317	ii. 876	....	....	M 278
2314	55 18 17,6	4,88	0,561	+0,17	+9.2907	+9.1412	0.6881	9.9868	....	316	iii. 833			
2315	125 20 1,4	4,89	0,304	−0,17	−9.9614	−9.1489	0.6889	9.9867	....	....	.....	2589	1444	
2316	138 55 25,7	4,89	0,224	+0,16	−0.0070	−9.2642	0.6892	9.9867	....	....	v. 709	2595	1446	
2317	8 29 9,2	4,90	1,663	+0,01	+9.9518	+9.3836	0.6906	9.9866	....	285	iii. 827			
2318	113 37 1,4	4,92	0,354	−0,01	−9.8954	−8.9922	0.6917	9.9865	1029	323	ii. 877	2588	1445	J 166
2319	105 24 56,7	4,93	0,384	+0,03	−9.8300	−8.8156	0.6932	9.9864	1028	325	ii. 878	....	....	J 167
2320	0 57 44,9	4,94	11,336	−0,01	+9.9830	+9.3915	0.6938	9.9864	....	....	.....	....	....	G 1119
2321	141 11 23,7	4,96	0,206	−0,21	−0.0116	−9.2846	0.6951	9.9863	....	....	.....	2601	1451	
2322	80 35 33,7	4,97	0,464	+0,12	−9.4310	+8.6078	0.6967	9.9862	....	324	iii. 834			
2323	72 1 57,9	4,99	0,493	+0,02	−9.0569	+8.8847	0.6977	9.9862	....	322	iii. 835	....	....	M 279
2324	133 11 16,3	4,99	0,262	+0,10	−9.9909	−9.2311	0.6980	9.9861	....	327	iii. 837	2600	1453	
2325	148 43 47,0	5,09	0,133	−0,23	−0.0221	−9.3360	0.7064	9.9856	....	....	v. 717	2621	1461	
2326	7 19 2,0	5,12	1,852	+0,02	+9.9560	+9.4038	0.7096	9.9853	....	292	ii. 874	....	....	B.H 261
2327	132 7 8,6	5,13	0,268	−0,02	−9.9869	−9.2345	0.7102	9.9853	....	335	iii. 840	2607	1462	
2328	133 24 16,6	5,14	0,261	−0,13	−9.9910	−9.2455	0.7107	9.9853	....	336	iii. 841	2608	1464	
2329	74 14 13,1	5,16	0,484	.....	−9.1906	+8.8444	0.7126	9.9851	....	332	iii. 838			
2330	73 50 1,0	5,17	0,485	+0,07	−9.1697	+8.8560	0.7135	9.9851	1030	333	ii. 879	....	....	M 280
2331	59 37 14,7	5,17	0,539	+0,19	+9.0577	+9.1153	0.7136	9.9851	....	330	iii. 839			
2332	139 22 4,2	5,19	+0,221	+0,03	−0.0068	−9.2931	0.7151	9.9850	....	....	v. 721	2624	1467	
2333	157 42 37,6	5,20	−0,011	−0,22	−0.0246	−9.3798	0.7157	9.9849	....	....	.....	2646	1472	R 95
2334	39 58 16,7	5,23	+0,649	.....	+9.6638	+9.3007	0.7185	9.9847	....	....	.....	....	....	B.F 994?
2335	128 9 11,3	5,27	0,290	−0,23	−9.9719	−9.2100	0.7214	9.9845	....	....	v. 724	2625	1470	
2336	148 57 16,0	5,27	0,131	−0,17	−0.0214	−9.3525	0.7219	9.9845	....	....	v. 726	2640	1475	
2337	132 6 5,9	5,29	0,268	+0,23	−9.9862	−9.2478	0.7236	9.9843	....	344	iii. 843	2631	1473	
2338	50 26 27,0	5,30	0,582	0,00	+9.4465	+9.2264	0.7245	9.9843	1032	338	ii. 880			
2339	146 31 21,7	5,32	0,158	−0,21	−0.0186	−9.3446	0.7256	9.9842	....	....	v. 727	2642	1477	
2340	59 30 52,6	+5,33	+0,538	+0,06	+9.0611	+9.1294	+0.7263	+9.9841	1033	341	ii. 881	....	....	M 281

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2341	Lyncis	5½	7 1 40,61	+4,701	−0,0241	.....	−8.4561	+9.0155	+0.6722	−8.3507
2342*	Puppis	6½	1 43,01	1,853	−0,0018	+0,007	8.3875	8.9466	0.2678	+8.2243
2343	47 Geminorum	6	2 4,69	3,730	−0,0092	+0,002	8.3018	8.8583	0.5717	−7.9604
2344	Puppis .....D	5½	2 12,49	1,964	−0,0014	+0,001	8.3722	8.9277	0.2932	+8.1862
2345	25 Canis Majoris .. δ	3½	2 17,67	2,438	−0,0011	+0,003	8.2998	8.8546	0.3870	+7.9440
2346*	Lyncis	7½	2 21,12	5,303	−0,0375	−0,010	8.5545	9.1090	0.7245	−8.4922
2347*	Geminorum	7	2 42,81	3,429	−0,0061	+0,007	8.2719	8.8237	0.5352	−7.7008
2348	20 Monocerotis.....	5½	2 46,73	2,980	−0,0029	+0,005	8.2572	8.8085	0.4743	+7.1015
2349	18 Lyncis	5	2 47,31	5,291	−0,0375	−0,014	8.5558	9.1071	0.7235	−8.4929
2350	48 Geminorum	6	3 19,38	3,653	−0,0085	+0,004	8.3003	8.8477	0.5627	−7.9159
2351	Canis Majoris	5½	3 32,26	2,471	−0,0011	0,000	8.3039	8.8497	0.3929	+7.9297
2352	49 Geminorum	7½	3 35,49	3,698	−0,0090	0,000	8.3079	8.8533	0.5679	−7.9496
2353	Carinæ .....P	6	3 37,98	1,441	−0,0040	−0,012	8.4699	9.0150	0.1585	+8.3649
2354	21 Monocerotis.....	6	3 43,72	3,069	−0,0034	+0,003	8.2625	8.8069	0.4870	+5.2845
2355	Puppis .....A	5	3 48,85	2,014	−0,0014	−0,007	8.3751	8.9189	0.3041	+8.1779
2356	Canis Minoris	6	3 51,29	3,203	−0,0044	+0,003	8.2656	8.8092	0.5056	−7.2775
2357	Carinæ	6	3 54,66	1,427	−0,0042	−0,022	8.4740	9.0172	0.1545	+8.3704
2358	22 Monocerotis.....	4½	4 12,27	3,065	−0,0035	+0,004	8.2656	8.8066	0.4864	+5.9040
2359*	Geminorum	7	4 15,17	3,425	−0,0062	+0,010	8.2819	8.8225	0.5347	−7.7067
2360	Puppis	6	4 28,77	1,782	−0,0022	−0,051	8.4186	8.9577	0.2509	+8.2688
2361	Lyncis	6	4 40,93	4,472	−0,0208	.....	8.4391	8.9767	0.6505	−8.3067
2362	51 Geminorum	5	4 45,28	3,449	−0,0066	+0,005	8.2873	8.8244	0.5377	−7.7383
2363*	Geminorum	7½	5 15,40	3,668	−0,0090	−0,019	8.3151	8.8487	0.5644	−7.9404
2364	52 Geminorum	6	5 31,25	3,673	−0,0090	+0,006	8.3174	8.8491	0.5650	−7.9456
2365*	44 Camelopardi.....	6½	5 37,51	5,220	−0,0374	−0,009	8.5653	9.0963	0.7177	−8.4991
2366	23 Monocerotis.....	7	5 38,27	3,070	−0,0035	+0,005	8.2749	8.8059	0.4872	+4.5838
2367*	Lyncis	6	5 46,21	4,735	−0,0264	.....	8.4903	9.0203	0.6753	−8.3891
2368	26 Canis Majoris	6	6 3,97	2,454	−0,0011	+0,002	8.3229	8.8508	0.3898	+7.9600
2369*	45 Camelopardi.....	6½	6 10,12	+5,237	−0,0382	+0,011	8.5714	9.0986	+0.7191	−8.5062
2370	Mensæ ..... θ	5½	6 16,29	−3,651	−0,1544	+0,152	9.0065	9.5330	−0.5625	+8.9988
2371*	Canis Majoris	6	6 16,58	+2,314	−0,0010	−0,032	8.3440	8.8705	+0.3643	+8.0504
2372	Puppis	6½	6 17,05	2,038	−0,0013	0,000	8.3877	8.9141	0.3092	+8.1852
2373	Canis Minoris	6	6 28,28	3,146	−0,0041	+0,003	8.2810	8.8061	0.4978	−7.0495
2374	53 Geminorum	6	6 34,83	3,756	−0,0102	+0,002	8.3356	8.8600	0.5747	−8.0094
2375*	Puppis	6	6 45,11	1,613	−0,0031	.....	8.4623	8.9857	0.2076	+8.3381
2376*	46 Camelopardi.....	6½	6 50,37	5,246	−0,0388	−0,003	8.5773	9.0999	0.7198	−8.5127
2377	Camelopardi.....	6	7 1,85	11,327	−0,3577	−0,093	9.0985	9.6197	1.0541	−9.0933
2378	Puppis	6	7 6,27	2,130	−0,0011	−0,002	8.3779	8.8987	0.3285	+8.1502
2379*	Lyncis	5	7 6,75	4,581	−0,0238	.....	8.4738	8.9945	0.6610	−8.3563
2380*	Puppis .....E	5	7 17,85	1,987	−0,0015	−0,001	8.4028	8.9222	0.2983	+8.2131
2381	64 Aurigæ	5	7 35,91	4,188	−0,0167	+0,003	8.4105	8.9279	0.6220	−8.2287
2382	24 Monocerotis.....	6½	7 39,01	3,073	−0,0036	+0,005	8.2877	8.8047	0.4875	−5.4996
2383	Geminorum	7	7 45,20	+3,721	−0,0100	−0,022	8.3383	8.8546	+0.5707	−7.9947
2384	Volantis	6	7 49,67	−0,193	−0,0286	.....	8.7266	9.2425	−9.2849	+8.6956
2385	Canis Majoris	6	7 8 1,01	+2,308	−0,0010	+0,003	−8.3561	+8.8707	+0.3632	+8.0658

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2341	38 19 44,1	+5,33	+0,661	.....	+9.6876	+9.3193	+0.7269	+9.9841	....	....	.....	....	....	G 1272
2342	133 22 55,6	5,34	0,260	+0,17	−9.9901	−9.2618	0.7272	9.9841	....	....	v. 728	2636	1476	
2343	62 54 4,9	5,37	0,524	+0,02	+8.7210	+9.0859	0.7297	9.9839	1034	343	ii. 882			
2344	130 39 40,9	5,38	0,276	+0,01	−9.9809	−9.2423	0.7305	9.9838	....	6	iii. 846	2638	1479	
2345	116 9 29,3	5,38	0,343	−0,02	−9.9107	−9.0732	0.7311	9.9838	1042	2	ii. 883	2633	1478	J 168
2346	29 58 37,5	5,39	0,745	+0,07	+9.7907	+9.3669	0.7315	9.9837	....	339	iii. 844	....	....	B.F 991
2347	74 25 34,5	5,42	0,482	+0,13	−9.2028	+8.8607	0.7340	9.9835	1036	346	iii. 847			
2348	94 0 24,6	5,43	0,419	−0,23	−9.6991	−8.2765	0.7344	9.9835	1041	4	ii. 884			
2349	30 6 13,6	5,43	0,743	+0,33	+9.7890	+9.3693	0.7345	9.9835	1031	340	iii. 845			
2350	65 37 31,0	5,47	0,513	+0,01	+7.2553	+9.0515	0.7381	9.9832	1038	3	ii. 885	....	....	M 282
2351	114 59 39,9	5,49	0,347	+0,19	−9.9029	−9.0631	0.7395	9.9831	....	13	ii. 886	2641	1484	
2352	64 0 18,8	5,49	0,519	−0,01	+8.4969	+9.0794	0.7399	9.9831	1039	5	iii. 848			
2353	141 44 0,9	5,50	0,202	−0,29	−0.0103	−9.3329	0.7401	9.9830	.....	....	v. 735	2651	1488	
2354	90 3 36,8	5,51	0,430	+0,07	−9.6385	−6.4606	0.7408	9.9830	1045	7	iii. 849			
2355	129 25 3,7	5,51	0,282	+0,05	−9.9758	−9.2419	0.7413	9.9829	....	18	iii. 851	2649	1486	J 169
2356	84 6 1,9	5,52	0,449	0,00	−9.5223	+8.4513	0.7416	9.9829	....	8	iii. 850			
2357	141 58 6,8	5,52	0,200	−0,41	−0.0106	−9.3361	0.7420	9.9829	....	....	v. 737	2652	1492	
2358	90 14 56,7	5,55	0,430	+0,01	−9.6417	−7.0801	0.7439	9.9827	1047	15	ii. 887	....	....	J 170
2359	74 34 34,3	5,55	0,480	+0,02	−9.2114	+8.8668	0.7442	9.9827	1044	11	iii. 852			
2360	135 5 30,4	5,57	0,250	0,00	−9.9942	−9.2937	0.7457	9.9826	....	....	.....	2653	1493	
2361	42 29 53,0	5,59	0,626	.....	+9.6179	+9.3125	0.7470	9.9825	....	....	.....	....	....	G 1281
2362	73 35 25,3	5,59	0,483	−0,01	−9.1614	+8.8963	0.7475	9.9824	1046	17	ii. 888	....	....	M 283
2363	65 2 19,2	5,63	0,513	.....	+8.0645	+9.0739	0.7508	9.9822	1048	....	.....	....	....	L 145
2364	64 51 39,1	5,66	0,514	+0,16	+8.1673	+9.0785	0.7525	9.9820	1049	21	ii. 889	....	....	M 284
2365	30 49 22,1	5,67	0,730	+0,07	+9.7792	+9.3848	0.7532	9.9820	1037	10	iii. 855	....	....	G 1283
2366	90 0 42,1	5,67	0,430	+0,11	−9.6377	−5.7598	0.7532	9.9819	....	24	iii. 857			
2367	37 36 35,4	5,68	0,662	.....	+9.6946	+9.3507	0.7541	9.9819	....	....	.....	....	....	B.F 1004
2368	115 41 43,5	5,70	0,343	+0,02	−9.9067	−9.0909	0.7560	9.9817	1053	31	ii. 890	2656		
2369	30 36 48,4	5,71	+0,732	+0,09	+9.7810	+9.3892	0.7566	9.9816	1040	16	iii. 856	....	....	G 1285
2370	169 12 23,0	5,72	−0,510	+0,79	−0.0098	−9.4473	0.7573	9.9816	....	....	.....	2758	1513	
2371	120 34 15,5	5,72	+0,323	−0,48	−9.9351	−9.1615	0.7573	9.9816	....	....	v. 742	2660	1498	
2372	128 51 20,3	5,72	0,285	−0,24	−9.9728	−9.2527	0.7574	9.9816	....	....	v. 743	2665	1499	
2373	86 38 8,5	5,74	0,440	−0,01	−9.5763	+8.2249	0.7586	9.9815	....	29	iii. 861			
2374	61 50 48,4	5,75	0,525	0,00	+8.8420	+9.1308	0.7593	9.9814	1050	25	iii. 860			
2375	138 41 38,5	5,76	0,225	.....	−0.0026	−9.3337	0.7602	9.9813	....	....	.....	2673		
2376	30 29 1,4	5,77	0,733	+0,09	+9.7820	+9.3941	0.7609	9.9813	1043	22	iii. 859	....	....	G 1286
2377	8 48 50,0	5,78	1,582	−0,03	+9.9443	+9.4547	0.7621	9.9812	....	334	iii. 854	....	....	G 1278
2378	126 17 40,2	5,79	0,298	+0,07	−9.9621	−9.2326	0.7626	9.9811	....	....	v. 747	2668	1502	
2379	40 16 30,5	5,79	0,640	.....	+9.6532	+9.3429	0.7626	9.9811	....	....	.....	....	....	B.H 963
2380	130 14 50,4	5,81	0,277	0,00	−9.9775	−9.2719	0.7638	9.9810	....	41	iii. 863	2672	1504	
2381	48 51 21,0	5,83	0,585	−0,01	+9.4812	+9.2816	0.7657	9.9808	1052	32	ii. 892			
2382	89 54 23,9	5,83	0,429	+0,08	−9.6359	+6.6757	0.7660	9.9808	1055	38	iii. 865			
2383	63 2 40,2	5,84	+0,519	+0,12	+8.6703	+9.1208	0.7666	9.9807	....	35	iii. 864	....	....	M 285
2384	158 35 59,6	5,85	−0,027	.....	−0.0207	−9.4339	0.7671	9.9807	....	....	.....	2704	1515	
2385	120 49 47,6	+5,87	+0,322	+0,05	−9.9359	−9.1757	+0.7683	+9.9806	....	44	iii. 866	2676		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2386	Canis Majoris	6	7 8 7,41	+2,330	−0,0011	−0,013	−8.3535	+8.8673	+0.3674	+8.0535
2387	Geminorum	7	8 8,01	3,447	−0,0069	−0,003	8.3087	8.8225	0.5374	−7.7597
2388	27 Canis Majoris	4½	8 8,47	2,444	−0,0011	+0,002	8.3374	8.8511	0.3882	+7.9808
2389	Puppis I	5	8 16,64	1,723	−0,0025	−0,047	8.4539	8.9666	0.2363	+8.3145
2390*	Camelopardi.....	8½	8 25,85	7,346	−0,1149	−0,015	8.8356	9.3473	0.8661	−8.8170
2391	28 Canis Majoris	6	8 43,42	2,433	−0,0011	−0,001	8.3426	8.8524	0.3862	+7.9923
2392	Puppis .....L[1]	5	8 44,30	1,797	−0,0022	+0,011	8.4444	8.9540	0.2545	+8.2933
2393*	Canis Majoris	6½	8 48,19	2,426	−0,0011	+0,008	8.3441	8.8533	0.3849	+7.9978
2394	Canis Majoris	6	8 49,68	2,321	−0,0010	.....	8.3592	8.8683	0.3657	+8.0634
2395*	Puppis .....L[2]	5½	8 57,35	1,820	−0,0021	+0,003	8.4417	8.9500	0.2601	+8.2866
2396	Carinæ	6	8 58,23	1,184	−0,0067	−0,009	8.5472	9.0553	0.0735	+8.4653
2397*	47 Camelopardi.....	6	9 6,90	5,297	−0,0416	−0,014	8.6000	9.1072	0.7241	−8.5383
2398	54 Geminorum ....λ	4½	9 28,24	3,456	−0,0070	+0,002	8.3178	8.8226	0.5386	−7.7790
2399	Canis Majoris	6	9 32,86	+2,321	−0,0010	−0,037	8.3637	8.8679	+0.3657	+8.0682
2400	Volantis ..... γ	5	10 0,28	−0,482	−0,0366	+0,010	8.7734	9.2746	−9.6829	+8.7471
2401	Puppis	6	10 4,04	+1,956	−0,0016	+0,017	8.4258	8.9266	+0.2913	+8.2442
2402	Carinæ	6	10 17,22	1,354	−0,0051	−0,023	8.5285	9.0279	0.1315	+8.4331
2403*	Puppis	6	10 27,49	1,724	−0,0025	−0,030	8.4677	8.9660	0.2364	+8.3289
2404*	Puppis	6	10 30,71	1,655	−0,0030	.....	8.4797	8.9776	0.2188	+8.3509
2405	Canis Majoris	6	10 34,31	2,404	−0,0011	+0,001	8.3580	8.8555	0.3809	+8.0242
2406*	Lyncis	7½	10 35,51	4,929	−0,0329	+0,001	8.5531	9.0505	0.6927	−8.4695
2407	19 Lyncis	5	10 36,41	4,928	−0,0329	−0,002	8.5532	9.0505	0.6927	−8.4695
2408	Carinæ	6	10 36,51	0,578	−0,0148	−0,026	8.6476	9.1449	9.7616	+8.5972
2409*	20 Lyncis	7	10 46,47	4,612	−0,0258	.....	8.5025	8.9987	0.6639	−8.3894
2410	55 Geminorum .... δ	3	11 9,66	+3,592	−0,0088	+0,005	8.3426	8.8363	+0.5553	−7.9209
2411	Volantis	6	11 9,72	−0,034	−0,0265	.....	8.7299	9.2236	−8.5353	+8.6962
2412	Puppis	6	11 20,89	+2,074	−0,0013	+0,007	8.4139	8.9063	+0.3169	+8.2037
2413	Puppis	6	11 29,12	2,135	−0,0011	+0,003	8.4047	8.8963	0.3294	+8.1774
2414	Argûs ..... π	3	11 51,05	2,118	−0,0012	+0,023	8.4097	8.8989	0.3260	+8.1875
2415	Puppis	6	11 55,99	1,730	−0,0026	−0,018	8.4758	8.9644	0.2381	+8.3364
2416	65 Aurigæ	5	12 0,87	4,030	−0,0151	−0,002	8.4119	8.9000	0.6053	−8.1917
2417	29 Canis Majoris	6	12 25,62	2,497	−0,0012	+0,001	8.3566	8.8421	0.3974	+7.9708
2418	30 Canis Majoris	5	12 29,41	2,487	−0,0012	+0,004	8.3584	8.8434	0.3956	+7.9792
2419	Camelopardi.....	6	12 32,08	6,010	−0,0665	.....	8.7184	9.2032	0.7788	−8.6812
2420	Canis Majoris	6	12 44,84	2,322	−0,0010	−0,039	8.3830	8.8664	0.3658	+8.0888
2421	Carinæ	6	12 57,73	1,017	−0,0090	−0,013	8.5986	9.0807	0.0072	+8.5283
2422	Puppis	5½	12 58,69	2,132	−0,0012	+0,011	8.4142	8.8961	0.3288	+8.1882
2423*	56 Geminorum	5½	13 5,63	3,551	−0,0085	+0,002	8.3493	8.8305	0.5503	−7.8981
2424*	Puppis	6	13 11,85	1,722	−0,0026	−0,018	8.4849	8.9654	0.2360	+8.3471
2425	Puppis	5½	13 18,47	2,132	−0,0012	+0,008	8.4161	8.8960	0.3289	+8.1902
2426*	Puppis .....M	5½	13 26,17	1,857	−0,0020	+0,017	8.4632	8.9422	0.2689	+8.3027
2427	Puppis ..... F	5	13 26,54	2,045	−0,0013	0,000	8.4313	8.9103	0.3108	+8.2296
2428	Puppis	6	13 38,57	2,233	−0,0011	−0,012	8.4020	8.8797	0.3488	+8.1434
2429	66 Aurigæ	5	13 44,69	4,172	−0,0179	+0,003	8.4459	8.9230	0.6203	−8.2624
2430	Puppis	6	7 13 55,34	+2,088	−0,0013	.....	−8.4270	+8.9030	+0.3198	+8.2141

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2386	120 5 2,1	+5,87	+0,325	−0,10	−9.9319	−9.1668	+0.7689	+9.9805	....	....	.....	2677	1509	
2387	73 35 37,6	5,88	0,481	−0,04	−9.1650	+8.9177	0.7690	9.9805	....	39	ii. 893	....	.....	M 286
2388	116 5 49,5	5,88	0,341	−0,03	−9.9087	−9.1102	0.7690	9.9805	1059	45	ii. 894	2674	....	J 171
2389	136 30 46,0	5,89	0,240	+0,31	−9.9966	−9.3283	0.7699	9.9804	....	....	v. 751	2687	1512	J 172
2390	16 38 25,8	5,90	1,024	.....	+9.8984	+9.4500	0.7708	9.9804	1035	....	.....	....	....	Airy (G)
2391	116 30 55,0	5,92	0,339	−0,06	−9.9111	−9.1202	0.7726	9.9802	1060	51	ii. 896	2681	1514	
2392	134 55 32,0	5,93	0,250	+0,24	−9.9921	−9.3194	0.7727	9.9802	....	54	ii. 897	2690	1516	J 173
2393	116 46 36,9	5,93	0,338	.....	−9.9127	−9.1246	0.7731	9.9801	1061	....	.....	2682	....	B 26
2394	120 24 0,8	5,93	0,323	.....	−9.9333	−9.1752	0.7733	9.9801	....	....	v. 752	....	1518	
2395	134 23 59,0	5,94	0,254	−0,26	−9.9905	−9.3167	0.7740	9.9800	....	55	iii. 870	2691	1520	
2396	145 54 11,6	5,95	0,165	−0,25	−0.0146	−9.3900	0.7741	9.9800	....	....	.....	2702	1521	
2397	29 49 40,4	5,96	0,738	+0,03	+9.7871	+9.4111	0.7750	9.9799	1051	36	iii. 868	....	....	G 1290
2398	73 11 34,1	5,99	0,481	0,00	−9.1443	+8.9361	0.7772	9.9797	1058	50	ii. 898	....	....	M 287
2399	120 25 36,5	5,99	+0,323	−0,07	−9.9332	−9.1799	0.7776	9.9797	....	....	.....	2688	1522	
2400	160 15 17,0	6,03	−0,067	−0,17	−0.0188	−9.4519	0.7804	9.9794	....	....	ii. 901	2746	1530	J174, R 96
2401	131 10 0,4	6,04	+0,272	+0,05	−9.9797	−9.2969	0.7808	9.9794	....	58	iii. 874	2700	1524	
2402	143 24 36,7	6,06	0,188	+0,09	−0.0104	−9.3845	0.7821	9.9793	....	....	v. 756	2715	1527	
2403	136 35 24,0	6,07	0,240	+0,14	−9.9959	−9.3421	0.7831	9.9792	....	....	v. 757	2710	1528	
2404	138 0 41,9	6,07	0,230	.....	−9.9994	−9.3524	0.7834	9.9791	....	....	.....	2711		
2405	117 37 7,4	6,08	0,334	−0,07	−9.9171	−9.1477	0.7838	9.9791	....	59	ii. 899	2697	1526	W 431
2406	34 26 23,4	6,08	0,685	+0,04	+9.7328	+9.3980	0.7839	9.9791	1054	47	iv. 528	....	....	G 1292
2407	34 26 33,8	6,08	0,685	+0,05	+9.7328	+9.3981	0.7840	9.9791	1056	48	iii. 872			
2408	152 55 50,7	6,08	0,080	−0,41	−0.0195	−9.4314	0.7840	9.9791	....	....	.....	2735	1533	
2409	39 34 32,7	6,10	0,641	+0,05	+9.6607	+9.3697	0.7850	9.9790	1057	53	iii. 875	....	....	A 154
2410	67 44 47,0	6,13	+0,499	+0,01	−8.6128	+9.0634	0.7873	9.9787	1062	57	ii. 900	....	....	M 288
2411	157 42 20,7	6,13	−0,005	.....	−0.0194	−9.4513	0.7873	9.9787	....	....	.....	2751	1537	
2412	128 3 9,2	6,14	+0,288	−0,14	−9.9678	−9.2760	0.7884	9.9786	....	65	iii. 877	2713	1534	
2413	126 19 41,3	6,15	0,296	+0,11	−9.9607	−9.2596	0.7892	9.9785	....	66	iii. 879	2714	1535	
2414	126 49 51,4	6,19	0,294	−0,02	−9.9626	−9.2669	0.7913	9.9783	....	68	ii. 903	2720	1536	J 175
2415	136 30 40,1	6,19	0,240	+0,17	−9.9951	−9.3502	0.7918	9.9783	....	....	v. 759	2732	1538	
2416	52 57 44,4	6,20	0,559	0,00	+9.3551	+9.2699	0.7923	9.9782	1063	60	ii. 902			
2417	114 17 17,7	6,23	0,346	0,00	−9.8956	−9.1066	0.7947	9.9779	1067	71	ii. 904	2718		
2418	114 41 4,5	6,24	0,345	0,00	−9.8983	−9.1136	0.7951	9.9779	1069	72	ii. 905	2721		
2419	23 22 51,9	6,24	0,833	.....	+9.8452	+9.4559	0.7953	9.9779	....	....	.....	....	....	G 1299
2420	120 31 32,8	6,26	0,322	−0,56	−9.9326	−9.2001	0.7965	9.9777	....	....	v. 764	2729	1542	
2421	148 16 29,3	6,28	0,141	−0,25	−0.0154	−9.4253	0.7978	9.9776	....	....	v. 767	2752	1551	
2422	126 27 50,9	6,28	0,295	+0,08	−9.9607	−9.2697	0.7979	9.9776	....	74	iii. 882	2733	1544	
2423	69 16 39,7	6,29	0,492	0,00	−8.8445	+9.0451	0.7985	9.9775	1065	69	ii. 906	....	1541	M 289
2424	136 43 59,5	6,30	0,238	−0,87	−9.9951	−9.3591	0.7991	9.9775	....	....	v. 768	2740	1550	
2425	126 28 17,2	6,31	0,295	+0,04	−9.9606	−9.2716	0.7998	9.9774	....	78	iii. 884	2736	1548	
2426	133 42 51,4	6,32	0,257	−0,01	−9.9866	−9.3378	0.8005	9.9773	....	82	iv. 531	2742	1553	
2427	128 56 19,9	6,32	0,283	−0,01	−9.9704	−9.2966	0.8005	9.9773	....	80	iii. 885	2739	1552	
2428	123 27 5,5	6,33	0,309	−0,17	−9.9470	−9.2408	0.8017	9.9772	....	....	v. 770	2738	1554	
2429	49 2 39,6	6,34	0,577	+0,01	+9.4685	+9.3166	0.8023	9.9771	1064	70	iii. 883			
2430	127 45 54,4	+6,36	+0,289	.....	−9.9656	−9.2881	+0.8033	+9.9770	....	....	v. 771	....	1556	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2431	57 Geminorum .... A	5½	7 14 19,59	+3,671	−0,0102	0,000	−8.3711	+8.8446	+0.5647	−8.0025
2432	Geminorum	6½	14 21,69	3,496	−0,0080	+0,004	8.3506	8.8238	0.5436	−7.8534
2433	Monocerotis.....	6	14 21,81	3,081	−0,0040	+0,009	8.3275	8.8007	0.4887	−6.2281
2434	58 Geminorum	7	14 27,07	3,614	−0,0095	0,000	8.3647	8.8373	0.5580	−7.9606
2435	Puppis	6	14 29,38	1,803	−0,0023	−0,003	8.4789	8.9513	0.2559	+8.3285
2436	Canis Majoris	6	14 54,89	2,464	−0,0012	+0,012	8.3755	8.8452	0.3916	+8.0113
2437	Monocerotis.....	6	15 4,01	2,944	−0,0031	+0,005	8.3335	8.8023	0.4690	+7.3307
2438*	Puppis	6	15 9,91	1,716	−0,0027	−0,008	8.4977	8.9659	0.2345	+8.3614
2439*	Camelopardi.....	5	15 12,91	6,328	−0,0812	−0,010	8.7732	9.2411	0.8012	−8.7427
2440	59 Geminorum	6½	15 13,14	3,741	−0,0113	+0,003	8.3860	8.8538	0.5730	−8.0565
2441	21 Lyncis	5½	15 23,10	4,552	−0,0261	+0,005	8.5206	8.9875	0.6582	−8.4017
2442	60 Geminorum .... *i*	4	16 24,37	3,745	−0,0116	−0,003	8.3932	8.8537	0.5734	−8.0661
2443*	Canis Majoris	6½	16 27,62	2,272	−0,0010	+0,029	8.4121	8.8723	0.3564	+8.1400
2444	1 Canis Minoris	6	16 38,02	3,338	−0,0065	0,000	8.3496	8.8087	0.5235	−7.6660
2445	Carinæ	6	16 44,48	1,452	−0,0048	−0,021	8.5516	9.0101	0.1620	+8.4484
2446	Puppis	6	16 52,66	+2,289	−0,0011	+0,015	8.4118	8.8695	+0.3597	+8.1331
2447	Volantis ..... δ	5	16 53,34	−0,005	−0,0280	−0,007	8.7619	9.2195	−7.6812	+8.7281
2448*	Carinæ	6	17 0,34	+1,453	−0,0047	.....	8.5531	9.0099	+0.1622	+8.4498
2449	Puppis ..... *s*	5½	17 16,87	2,293	−0,0011	+0,010	8.4134	8.8686	0.3604	+8.1332
2450	Carinæ	5½	17 24,05	1,199	−0,0073	−0,007	8.5968	9.0513	0.0789	+8.5155
2451	2 Canis Minoris .. *s*	6	17 26,86	3,283	−0,0060	+0,002	8.3505	8.8047	0.5163	−7.5711
2452	Puppis	6	17 49,09	2,285	−0,0011	+0,005	8.4176	8.8696	0.3590	+8.1408
2453*	Canis Majoris	6½	17 50,19	2,338	−0,0011	−0,006	8.4097	8.8615	0.3689	+8.1108
2454	Canis Majoris	6	17 53,85	2,711	−0,0019	+0,011	8.3638	8.8153	0.4332	+7.8018
2455	Geminorum	7	17 58,59	3,576	−0,0093	−0,016	8.3796	8.8306	0.5533	−7.9500
2456	Canis Majoris	6	18 2,97	2,345	−0,0010	−0,005	8.4098	8.8604	0.3702	+8.1078
2457	61 Geminorum	7	18 5,81	3,543	−0,0090	+0,004	8.3765	8.8268	0.5494	−7.9219
2458	31 Canis Majoris .. η	2	18 9,81	2,372	−0,0011	0,000	8.4065	8.8564	0.3751	+8.0923
2459*	22 Lyncis	6	18 31,11	4,570	−0,0277	−0,007	8.5419	8.9896	0.6599	−8.4260
2460	63 Geminorum	6	18 49,93	3,573	−0,0095	−0,001	8.3839	8.8298	0.5530	−7.9527
2461	Puppis	6	18 59,43	2,299	−0,0011	+0,013	8.4220	8.8669	0.3615	+8.1403
2462	3 Canis Minoris .. β	3	19 0,92	3,261	−0,0058	0,000	8.3577	8.8025	0.5133	−7.5318
2463*	Geminorum	7	19 20,60	3,735	−0,0118	.....	8.4080	8.8508	0.5723	−8.0775
2464	62 Geminorum .... ρ	5	19 27,37	3,859	−0,0138	+0,012	8.4271	8.8692	0.5864	−8.1522
2465	5 Canis Minoris .. η	6	19 57,85	3,230	−0,0056	+0,001	8.3613	8.8004	0.5092	−7.4619
2466	Puppis	6	19 58,02	2,302	−0,0010	+0,022	8.4268	8.8659	0.3622	+8.1442
2467	64 Geminorum .... b^1	5½	19 59,26	3,751	−0,0121	+0,002	8.4137	8.8527	0.5741	−8.0913
2468*	4 Canis Minoris .. γ	5½	19 59,69	3,275	−0,0061	+0,001	8.3636	8.8026	0.5152	−7.5685
2469	65 Geminorum .... b^2	5½	20 28,71	3,744	−0,0121	+0,003	8.4154	8.8515	0.5734	−8.0902
2470	Monocerotis.....	6	20 49,37	2,821	−0,0025	+0,021	8.3707	8.8048	0.4504	+7.6612
2471	Puppis	6	21 8,73	2,230	−0,0011	+0,018	8.4445	8.8767	0.3483	+8.1903
2472	Geminorum	6	21 19,70	3,743	−0,0123	+0,002	8.4198	8.8509	0.5733	−8.0945
2473	6 Canis Minoris	5½	21 26,80	3,344	−0,0069	+0,004	8.3755	8.8060	0.5243	−7.7044
2474	Carinæ	6	21 34,16	1,049	−0,0096	−0,017	8.6443	9.0740	0.0209	+8.5737
2475	Puppis	6	7 22 1,87	+2,381	−0,0011	−0,003	−8.4260	+8.8530	+0.3767	+8.1095

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2431	64 39 58,2	+6,39	+0,507	+0,02	+8.1271	+9.1347	+0.8055	+9.9768	1068	75	ii. 907	....	....	M 290
2432	71 26 36,2	6,39	0,483	+0,13	−9.0406	+9.0063	0.8057	9.9767	....	77	iii. 886	....	....	M 292
2433	89 32 39,5	6,39	0,426	+0,14	−9.6299	+7.4042	0.8058	9.9767	....	81	iii. 887			
2434	66 46 14,8	6,40	0,500	+0,05	−8.3979	+9.1000	0.8062	9.9767	1070	76	ii. 908			
2435	135 1 33,4	6,40	0,249	−0,62	−9.9899	−9.3539	0.8065	9.9766	....	....	v. 774	2754	1557	
2436	115 36 52,5	6,44	0,340	+0,06	−9.9035	−9.1424	0.8088	9.9764	....	88	ii. 910	2749	1561	W 437
2437	95 42 5,2	6,45	0,407	+0,09	−9.7209	−8.5046	0.8097	9.9763	....	86	iii. 892			
2438	136 56 38,4	6,46	0,237	0,00	−9.9948	−9.3718	0.8102	9.9762	....	....	v. 777	2761	1564	
2439	21 14 11,9	6,46	0,874	+0,07	+9.8604	+9.4778	0.8105	9.9762	....	67	iii. 888	....	....	B.H 1497
2440	62 4 38,3	6,47	0,517	−0,02	+8.7774	+9.1788	0.8105	9.9762	1071	83	iii. 891	....	....	M 291
2441	40 29 51,0	6,48	0,628	+0,09	+9.6414	+9.3903	0.8115	9.9761	1066	79	iii. 890			
2442	61 54 32,1	6,56	0,516	+0,09	+8.7938	+9.1878	0.8171	9.9754	1072	90	ii. 911	....	....	M 293
2443	122 18 24,6	6,57	0,313	+0,78	−9.9404	−9.2431	0.8174	9.9754	....	....	v. 781	2763	1570	
2444	78 2 26,1	6,58	0,460	−0,02	−9.3595	+8.8325	0.8183	9.9753	1074	91	ii. 912			
2445	142 2 13,9	6,59	0,200	−0,04	−0.0050	−9.4135	0.8189	9.9752	....	....	v. 788	2779	1578	
2446	121 45 40,1	6,60	+0,315	−0,04	−9.9375	−9.2387	0.8197	9.9751	....	96	iii. 894	2766	1575	
2447	157 40 57,3	6,60	−0,001	0,00	−0.0163	−9.4837	0.8197	9.9751	....	....	ii. 914	2809	1586	J 176, R 97
2448	142 2 13,5	6,61	+0,200	.....	−0.0049	−9.4149	0.8204	9.9750	....	....	v. 783	....	1574	
2449	121 38 16,4	6,64	0,316	−0,01	−9.9368	−9.2394	0.8219	9.9748	....	99	iii. 896	2769	1581	
2450	146 0 54,8	6,65	0,165	−0,16	−0.0107	−9.4389	0.8225	9.9748	....	....	v. 792	2798	1588	
2451	80 26 0,8	6,65	0,452	+0,07	−9.4331	+8.7411	0.8228	9.9747	1075	94	ii. 913			
2452	121 54 53,3	6,68	0,314	+0,03	−9.9380	−9.2457	0.8247	9.9745	....	102	iii. 900	2773	1585	
2453	120 9 35,6	6,68	0,322	−0,39	−9.9289	−9.2237	0.8248	9.9745	....	....	v. 794	2771	1584	
2454	105 54 38,5	6,69	0,373	+0,03	−9.8298	−8.9609	0.8252	9.9744	....	100	iii. 899			
2455	68 10 6,2	6,69	0,492	+0,01	−8.7177	+9.0938	0.8256	9.9744	....	97	iii. 897	....	....	M 294
2456	119 55 41,2	6,70	0,322	−0,19	−9.9276	−9.2218	0.8260	9.9743	....	....	v. 795	2774	1590	
2457	69 26 51,1	6,70	0,487	+0,02	−8.8774	+9.0694	0.8262	9.9743	1076	98	iii. 898			
2458	119 0 49,8	6,71	0,326	+0,01	−9.9225	−9.2101	0.8266	9.9742	1081	104	ii. 915	2777	1591	J 177
2459	40 1 27,6	6,74	0,628	+0,11	+9.6456	+9.4104	0.8285	9.9740	1073	95	iii. 902	....	....	G 1320
2460	68 15 7,7	6,76	0,491	+0,08	−8.7348	+9.0967	0.8301	9.9738	1077	101	ii. 916	....	....	M 295
2461	121 30 59,3	6,78	0,316	−0,05	−9.9355	−9.2471	0.8310	9.9737	....	108	iii. 903	2793	1598	
2462	81 24 45,3	6,78	0,448	+0,05	−9.4603	+8.7030	0.8311	9.9737	1079	106	ii. 917			
2463	62 8 53,3	6,81	0,512	.....	+8.7466	+9.2001	0.8328	9.9734	....	....	.....	....	....	B.F 1043
2464	57 55 20,6	6,81	0,529	−0,20	+9.1199	+9.2564	0.8334	9.9734	1078	105	ii. 918	....	1596	M 296
2465	82 45 23,5	6,86	0,443	+0,04	−9.4942	+8.6346	0.8361	9.9730	1084	110	ii. 920			
2466	121 26 38,6	6,86	0,316	+0,04	−9.9347	−9.2513	0.8361	9.9730	....	113	iii. 904	2802	1601	
2467	61 34 38,6	6,86	0,514	+0,04	+8.8169	+9.2116	0.8362	9.9730	1080	107	ii. 919	....	....	M 297
2468	80 46 33,5	6,86	0,449	+0,02	−9.4437	+8.7390	0.8362	9.9730	1083	109	ii. 921			
2469	61 46 45,2	6,90	0,513	+0,01	+8.7896	+9.2113	0.8388	9.9727	1082	111	ii. 922	....	....	M 298
2470	101 15 24,1	6,93	0,386	+0,06	−9.7845	−8.8288	0.8405	9.9724	....	116	iii. 905			
2471	123 50 28,9	6,95	0,305	−0,03	−9.9459	−9.2857	0.8422	9.9722	....	119	iii. 907	2810	1609	
2472	61 46 41,8	6,97	0,512	−0,28	+8.7853	+9.2157	0.8431	9.9721	....	114	iii. 906			
2473	77 41 14,1	6,98	0,457	0,00	−9.3504	+8.8704	0.8437	9.9720	1085	117	ii. 923			
2474	148 12 4,6	6,99	0,143	−0,30	−0.0109	−9.4715	0.8444	9.9719	....	....	v. 807	2827	1616	
2475	118 51 9,1	+7,03	+0,325	−0,05	−9.9202	−9.2280	+0.8467	+9.9716	....	122	ii. 924	2817	1614	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2476	Carinæ ..... R	6	7 22 31,25	+1,541	−0,0042	−0,006	−8.5694	+8.9936	+0.1878	+8.4581
2477	Puppis	6	23 5,67	2,303	0,0010	+0,005	8.4432	8.8641	0.3624	+8.1618
2478	Puppis	5	23 17,73	2,315	0,0011	+0,002	8.4424	8.8622	0.3646	+8.1561
2479	Puppis ..... *y*	6	23 54,11	2,077	0,0013	+0,005	8.4842	8.9006	0.3175	+8.2784
2480	7 Canis Minoris .. δ^1	6	24 18,31	+3,119	0,0048	+0,001	8.3801	8.7942	+0.4941	−6.9700
2481	Volantis	6	24 25,69	−0,421	0,0427	+0,085	8.8535	9.2669	−9.6240	+8.8274
2482	Argûs ..... σ	4	24 28,71	+1,908	0,0020	+0,013	8.5165	8.9296	+0.2805	+8.3503
2483*	67 Geminorum	7	24 51,39	3,427	0,0081	+0,007	8.3995	8.8105	0.5349	−7.8387
2484	Puppis	5	24 52,56	2,332	0,0010	−0,011	8.4479	8.8588	0.3677	+8.1553
2485*	66 Geminorum .... α	1½	25 1,49	3,856	0,0147	−0,008	8.4558	8.8659	0.5861	−8.1826
2486	68 Geminorum	5	25 2,71	3,431	0,0083	+0,002	8.4009	8.8108	0.5355	−7.8450
2487	8 Canis Minoris .. δ^2	5½	25 19,88	3,149	0,0051	+0,004	8.3856	8.7939	0.4982	−7.1842
2488*	Lyncis	6	25 36	4,382	0,0257	.....	8.5483	8.9551	0.6417	−8.4088
2489	Geminorum	7	25 36,51	3,827	0,0142	+0,001	8.4543	8.8611	0.5829	−8.1697
2490	Carinæ	6½	26 21,72	1,460	0,0051	−0,008	8.6037	9.0063	0.1643	+8.5022
2491	9 Canis Minoris .. δ^3	6	26 23,52	3,151	0,0052	−0,001	8.3908	8.7932	0.4984	−7.1997
2492	Carinæ	6	26 33,40	1,574	0,0041	+0,021	8.5853	8.9868	0.1970	+8.4714
2493	69 Geminorum .... *v*	5	26 40,57	3,710	0,0125	+0,004	8.4422	8.8431	0.5694	−8.1026
2494	Puppis	6	26 53,51	2,507	0,0013	.....	8.4329	8.8325	0.3992	+8.0488
2495	48 Camelopardi.....	6½	27 2,69	5,212	0,0502	+0,005	8.6926	9.0915	0.7170	−8.6297
2496	Carinæ	6	27 8,38	1,357	0,0062	+0,007	8.6251	9.0234	0.1324	+8.5335
2497	Puppis ..... n^1	4½	27 58,35	2,541	0,0013	−0,001	8.4338	8.8276	0.4049	+8.0284
2498	Puppis ..... n^2	6	27 59,14	2,541	0,0013	−0,007	8.4339	8.8276	0.4049	+8.0284
2499	Geminorum	7	28 16,15	3,534	0,0100	+0,008	8.4271	8.8193	0.5482	−7.9712
2500	Puppis ..... *y*	5	28 18,20	2,472	0,0012	+0,003	8.4445	8.8364	0.3930	+8.0831
2501*	23 Lyncis	6	28 23,86	5,009	0,0443	+0,015	8.6682	9.0596	0.6998	−8.5938
2502	Puppis ..... *z*	6	28 25,71	2,170	0,0011	+0,007	8.4916	8.8829	0.3365	+8.2610
2503	Canis Minoris	7	28 35,69	3,205	0,0059	−0,003	8.4028	8.7932	0.5058	−7.4356
2504	70 Geminorum	6	28 42,11	3,950	0,0171	+0,010	8.4894	8.8792	0.5966	−8.2521
2505	Geminorum	7	28 46,17	3,503	0,0096	0,000	8.4261	8.8155	0.5444	−7.9442
2506	Geminorum	7	29 9,29	3,639	0,0117	−0,001	8.4445	8.8318	0.5610	−8.0654
2507	Carinæ	6	29 14,72	1,415	0,0057	−0,022	8.6262	9.0130	0.1509	+8.5298
2508	Puppis ..... *p*	5½	29 21,57	2,412	0,0012	−0,003	8.4580	8.8443	0.3824	+8.1302
2509*	71 Geminorum .... *o*	5½	29 22,03	3,934	0,0170	0,000	8.4901	8.8762	0.5948	−8.2478
2510	Carinæ	6	29 30,79	1,584	0,0041	+0,022	8.5988	8.9842	0.1996	+8.4847
2511*	Puppis	neb.	29 44	2,759	0,0023	.....	8.4189	8.8031	0.4408	+7.8071
2512	Lyncis	6	29 45,73	4,842	0,0398	.....	8.6482	9.0323	0.6851	−8.5621
2513	25 Monocerotis.....	6	29 49,14	2,989	0,0039	−0,005	8.4069	8.7906	0.4755	+7.2257
2514	Geminorum	6½	30 7,77	3,635	0,0118	−0,003	8.4485	8.8306	0.5605	−8.0672
2515	Puppis	6	30 9,53	1,879	0,0021	.....	8.5503	8.9322	0.2740	+8.3918
2516	24 Lyncis	5½	30 17,33	5,130	0,0493	−0,004	8.6969	9.0782	0.7101	−8.6302
2517*	Geminorum	7	30 18,07	3,853	0,0156	.....	8.4814	8.8625	0.5858	−8.2098
2518*	Canis Minoris	9	30 29,99	3,188	0,0058	0,000	8.4110	8.7911	0.5035	−7.3855
2519	74 Geminorum .... *f*	6	30 48,72	3,472	0,0093	+0,005	8.4323	8.8107	0.5405	−7.9225
2520*	Carinæ	6	7 30 55,67	+1,029	−0,0109	.....	−8.6975	+9.0753	+0.0123	+8.6300

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2476	140 43 3,1	+7,07	+0,210	−0,23	−9.9997	−9.4357	+0.8492	+9.9712	....	....	v. 809	2829	1619	
2477	121 32 31,5	7,11	0,314	+0,02	−9.9339	−9.2684	0.8521	9.9708	....	124	iii. 911	2821	1622	
2478	121 9 1,0	7,13	0,316	+0,05	−9.9319	−9.2646	0.8531	9.9707	....	125	iii. 912	2823	1624	
2479	128 30 17,2	7,18	0,283	−0,05	−9.9642	−9.3480	0.8561	9.9702	....	130	iii. 913	2832	1628	
2480	87 46 14,1	7,21	+0,425	−0,05	−9.5991	+8.1458	0.8581	9.9699	1088	126	ii. 925			
2481	160 20 26,4	7,22	−0,057	0,00	−0.0105	−9.5304	0.8587	9.9698	....	....	.....	2862	1636	
2482	133 0 2,2	7,23	+0,260	−0,12	−9.9794	−9.3905	0.8589	9.9698	....	135	ii. 928	2837	1631	J 178
2483	74 2 34,8	7,26	0,466	−0,03	−9.2066	+8.9977	0.8608	9.9695	1089	129	iii. 914	....	....	W 444
2484	120 39 4,6	7,26	0,317	+0,12	−9.9287	−9.2660	0.8609	9.9695	....	137	iii. 915	2834	1634	
2485	57 47 16,1	7,27	0,524	+0,07	+9.1126	+9.2861	0.8616	9.9694	1087	127 128	iv. 538	....	1630	M 299
2486	73 51 15,4	7,27	0,466	−0,04	−9.1976	+9.0036	0.8617	9.9694	1091	131	ii. 929	....	....	M 300
2487	86 23 39,6	7,30	0,428	−0,02	−9.5735	+8.3594	0.8631	9.9692	1092	134	ii. 930			
2488	43 30	7,32	0,595	.....	+9.5760	+9.4227	0.8644	9.9690	....	....	.....	....	....	A
2489	58 43 4,8	7,32	0,520	−0,01	+9.0512	+9.2776	0.8644	9.9690	1090	....	ii. 931			
2490	142 20 22,7	7,38	0,198	−0,17	−0.0005	−9.4643	0.8680	9.9684	....	....	v. 819	2851	1640	
2491	86 18 25,5	7,38	0,427	0,00	−9.5719	+8.3749	0.8682	9.9684	1095	139	ii. 932			
2492	140 17 42,2	7,40	0,213	−0,17	−9.9966	−9.4529	0.8690	9.9683	....	....	v. 820	2850	1643	
2493	62 46 30,6	7,41	0,503	+0,08	+8.5944	+9.2277	0.8695	9.9682	1094	138	ii. 933	....	....	M 301
2494	114 23 29,0	7,42	0,340	.....	−9.8914	−9.1843	0.8706	9.9680	....	....	v. 821	2844	1642	
2495	30 6 20,6	7,44	0,706	+0,02	+9.7678	+9.5061	0.8713	9.9679	1086	133	iii. 916			
2496	144 5 5,9	7,44	0,184	+0,02	−0.0029	−9.4780	0.8717	9.9678	....	....	v. 824	2861	1647	
2497	113 9 3,9	7,51	0,344	+0,10	9.8829	−9.1680	0.8757	9.9672	....	147	ii. 935	2849	1648	
2498	113 8 58,1	7,51	0,344	−0,09	−9.8828	−9.1681	0.8757	9.9672	....	149	ii. 936			
2499	69 30 36,1	7,53	0,478	+0,16	−8.9143	+9.1190	0.8771	9.9670	....	144	ii. 934	....	....	W 447
2500	115 47 33,7	7,54	0,334	+0,18	−9.8998	−9.2136	0.8772	9.9669	....	154	iii. 919	2854	1650	
2501	32 34 53,6	7,55	0,677	+0,03	+9.7380	+9.5011	0.8777	9.9669	1093	140	iii. 918	....	....	G 1341
2502	126 0 55,7	7,55	0,293	+0,02	−9.9522	−9.3450	0.8778	9.9668	....	157	iii. 921	2860	1653	
2503	83 48 31,6	7,56	0,433	−0,14	−9.5205	+8.6092	0.8786	9.9667	....	150	iv. 543	....	....	B.F 1064
2504	54 37 18,6	7,57	0,533	+0,03	+9.2610	+9.3395	0.8791	9.9666	1097	145	iii. 920			
2505	70 44 55,4	7,58	0,473	+0,12	−9.0187	+9.0953	0.8794	9.9666	....	146	iii. 922	....	....	M 302
2506	65 18 31,8	7,61	0,491	−0,01	−7.8921	+9.1998	0.8812	9.9663	....	153	iii. 923	....	....	M 303
2507	143 13 56,1	7,61	0,191	+0,08	−0.0004	−9.4830	0.8816	9.9662	....	....	v. 829	2881	1659	
2508	118 2 22,4	7,62	0,325	−0,02	−9.9127	−9.2521	0.8821	9.9661	....	163	ii. 937	2867	1657	
2509	55 4 44,1	7,62	0,531	+0,30	+9.2398	+9.3377	0.8822	9.9661	1099	152	iii. 924			
2510	140 15 36,5	7,64	0,214	−0,12	−9.9949	−9.4665	0.8828	9.9660	....	....	v. 831	2880	1660	
2511	104 9	7,65	0,372	.....	−9.8108	−8.9698	0.8838	9.9658	....	....	.....	....	....	A
2512	34 53 42,3	7,66	0,653	.....	+9.7074	+9.4957	0.8840	9.9658	....	....	.....	....	....	G 1348
2513	93 46 42,1	7,66	0,403	−0,09	−9.6936	−8.4009	0.8842	9.9658	1102	162	ii. 938			
2514	65 26 35,0	7,69	0,490	+0,07	−8.0334	+9.2021	0.8857	9.9655	....	161	iii. 928	....	....	M 304
2515	133 58 5,7	7,69	0,253	.....	−9.9793	−9.4251	0.8858	9.9655	....	....	v. 834	....	1663	
2516	30 56 42,6	7,70	0,691	+0,07	+9.7550	+9.5175	0.8864	9.9654	1096	151	iii. 927			
2517	57 39 4,3	7,70	0,519	+0,04	+9.1055	+9.3126	0.8864	9.9654	1101	....	ii. 939	....	....	Airy (C)
2518	84 35 21,0	7,72	0,429	−0,09	−9.5378	+8.5596	0.8873	9.9652	1105	....	.....	....	....	A 157
2519	71 59 18,3	7,74	0,467	−0,01	−9.1055	+9.0768	0.8888	9.9650	1103	166	ii. 940	....	....	M 305
2520	148 52 14,7	+7,75	+0,138	.....	−0.0060	−9.5195	+0.8893	+9.9649	....	....	v. 836	....	1667	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2521*	Camelopardi.....	6	7 31 11,95	+10,539	−0,4157	−0,225	−9.2004	+9.5768	+1.0228	−9.1946
2522	10 Canis Minoris ..α	1	31 26,81	3,192	−0,0059	−0,047	8.4154	8.7905	0.5040	−7.4052
2523	Puppis .....f	6	31 48,97	2,220	−0,0011	−0,001	8.4997	8.8728	0.3464	+8.2543
2524	Carinæ .....Q	6	31 57,19	1,484	−0,0051	−0,012	8.6282	9.0006	0.1714	+8.5259
2525	Puppis .....m	6	32 3,52	2,496	−0,0013	+0,010	8.4589	8.8307	0.3972	+8.0853
2526*	Canis Minoris	7	32 8,85	3,191	−0,0059	−0,001	8.4185	8.7899	0.5039	−7.4058
2527*	51 Camelopardi.....	6	32 16,71	5,809	−0,0772	+0,008	8.8044	9.1751	0.7641	−8.7645
2528	Puppis	6	32 28,84	2,121	−0,0012	+0,043	8.5195	8.8891	0.3266	+8.3057
2529*	Puppis .....Y^1	6	32 32,73	1,681	−0,0034	+0,023	8.5969	8.9662	0.2256	+8.4713
2530*	Puppis .....k^1	4½	32 40,95	2,459	−0,0012	+0,001	8.4669	8.8355	0.3907	+8.1159
2531*	Puppis .....k^2	5	32 41,31	2,459	−0,0012	.....	8.4669	8.8355	0.3907	+8.1159
2532*	Lyncis	5½	32 41,59	4,577	−0,0333	+0,002	8.6180	8.9865	0.6606	−8.5071
2533	49 Camelopardi.....	5½	32 50,21	5,502	−0,0648	−0,005	8.7652	9.1330	0.7405	−8.7158
2534	Carinæ	6	32 50,44	1,279	−0,0076	−0,009	8.6670	9.0347	0.1069	+8.5833
2535*	Puppis	6	33 17,68	2,096	−0,0013	0,000	8.5276	8.8930	0.3215	+8.3211
2536	Puppis ..... e	6	33 18,21	2,174	−0,0012	+0,017	8.5145	8.8798	0.3372	+8.2853
2537	Geminorum	6½	33 27,33	3,373	−0,0082	+0,007	8.4350	8.7995	0.5280	−7.8134
2538*	Puppis	6	33 31,83	+2,744	−0,0023	.....	8.4375	8.8016	+0.4383	+7.8482
2539	Mensæ ..... ε	5½	33 49,25	−3,114	−0,1862	+0,053	9.1348	9.4974	−0.4933	+9.1264
2540	75 Geminorum .... σ	5	33 55,80	+3,757	−0,0143	+0,007	8.4835	8.8456	+0.5749	−8.1724
2541	Puppis .....Y^2	6	34 4,35	1,697	−0,0033	+0,006	8.6016	8.9629	0.2296	+8.4745
2542	26 Monocerotis....γ	4½	34 4,89	2,872	−0,0031	−0,004	8.4306	8.7919	0.4582	+7.6346
2543*	Puppis .....d^1	5½	34 10,37	2,114	−0,0013	+0,001	8.5286	8.8894	0.3251	+8.3176
2544	Geminorum	7	34 25,70	3,584	−0,0115	−0,003	8.4616	8.8211	0.5544	−8.0490
2545*	Puppis .....d^2	5½	34 25,92	2,121	−0,0012	+0,003	8.5288	8.8882	0.3264	+8.3161
2546*	Puppis .....d^3	6	34 30,79	2,117	−0,0013	+0,020	8.5298	8.8889	0.3256	+8.3184
2547	Puppis .....d^4	6	34 36,90	2,140	−0,0012	−0,003	8.5263	8.8848	0.3304	+8.3081
2548	Camelopardi.....	6½	34 55,80	10,185	−0,3983	−0,003	9.1994	9.5563	1.0080	−9.1930
2549	76 Geminorum .... e	6	34 57,69	3,671	−0,0130	+0,004	8.4756	8.8324	0.5648	−8.1196
2550*	Puppis	6	35 5,55	1,677	−0,0035	+0,023	8.6099	8.9659	0.2246	+8.4857
2551	77 Geminorum .... $\varkappa$	4	35 23,19	3,634	−0,0124	0,000	8.4725	8.8270	0.5604	−8.0944
2552	Carinæ	6	35 24,50	1,452	−0,0056	+0,007	8.6505	9.0050	0.1620	+8.5525
2553	Carinæ	6	35 28,91	1,266	−0,0079	−0,001	8.6822	9.0362	0.1023	+8.6002
2554	Puppis	6	35 59,53	2,110	−0,0012	−0,005	8.5378	8.8892	0.3243	+8.3289
2555	78 Geminorum ....β	2	36 7,88	3,730	−0,0142	−0,048	8.4894	8.8402	0.5718	−8.1665
2556	79 Geminorum	7	36 20,84	3,531	−0,0108	+0,002	8.4636	8.8133	0.5479	−8.0114
2557*	Puppis	6	36 36,52	2,476	−0,0012	+0,003	8.4821	8.8305	0.3937	+8.1240
2558	81 Geminorum .... g	6	37 26,16	3,487	−0,0103	−0,002	8.4633	8.8074	0.5424	−7.9731
2559	Carinæ	6	37 26,89	1,372	−0,0067	−0,009	8.6739	9.0179	0.1374	+8.5838
2560*	1 Puppis	5½	37 29,18	2,422	−0,0011	+0,006	8.4938	8.8377	0.3841	+8.1662
2561	Puppis	6	37 43,19	2,196	−0,0011	+0,021	8.5309	8.8736	0.3416	+8.2969
2562*	3 Puppis	5	37 47,30	2,407	−0,0011	+0,002	8.4973	8.8396	0.3815	+8.1773
2563	80 Geminorum .... π	5½	37 49,43	3,885	−0,0176	+0,002	8.5212	8.8634	0.5894	−8.2663
2564	11 Canis Minoris	6	38 0,61	3,310	−0,0077	+0,001	8.4499	8.7912	0.5198	−7.7356
2565*	Puppis	6	7 38 15,47	+2,521	−0,0013	.....	−8.4831	+8.8231	+0.4016	+8.0977

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2521	9 22 18,5	+7,77	+1,417	−0,06	+9.9237	+9.5824	+0.8905	+9.9647	....	132	iii. 925	....	....	B.H 260
2522	84 23 40,1	7,79	0,429	+0,98	−9.5339	+8.5792	0.8916	9.9645	1106	168	ii. 941	....	1666	M 306
2523	124 38 4,4	7,82	0,298	+0,03	−9.9447	−9.3457	0.8933	9.9642	....	172	iii. 930	2890	1670	
2524	142 11 59,6	7,83	0,199	−0,26	−9.9971	−9.4894	0.8939	9.9641	....	....	v. 839	2902	1674	
2525	115 1 44,3	7,84	0,335	+0,11	−9.8935	−9.2186	0.8944	9.9640	....	173	ii. 942	2888	1671	
2526	84 25 39,5	7,85	0,428	+0,04	−9.5347	+8.5798	0.8948	9.9639	1107	170	iii. 931	....	....	B.F 1070
2527	24 11 36,7	7,86	0,779	−0,05	+9.8205	+9.5532	0.8953	9.9638	1098	164	iii. 929			
2528	127 40 31,0	7,88	0,285	−0,13	−9.9569	−9.3802	0.8962	9.9636	....	....	.....	2900	1677	
2529	138 29 42,3	7,88	0,226	+0,04	−9.9896	−9.4687	0.8965	9.9636	....	....	v. 843	2904	1681	
2530	116 27 48,3	7,89	0,330	−0,04	−9.9021	−9.2439	0.8971	9.9635	....	175	iii. 934	2896	1679	B.H 1015
2531	116 27 52,8	7,89	0,330	−0,12	−9.9021	−9.2439	0.8972	9.9635	....	177	iv. 548	....	1680	
2532	39 13 2,3	7,89	0,614	+0,04	+9.6414	+9.4841	0.8972	9.9635	1104	169	iii. 933	....	....	B.F 1065
2533	26 48 52,9	7,90	0,738	+0,06	+9.7955	+9.5462	0.8978	9.9634	1100	167	iii. 932			
2534	145 33 18,3	7,90	0,171	+0,34	−0.0015	−9.5119	0.8978	9.9634	....	....	v. 845	2911	1684	
2535	128 26 8,3	7,94	0,281	−0,64	−9.9594	−9.3911	0.8998	9.9630	....	....	v. 850	2906	1688	
2536	126 9 24,1	7,94	0,291	−0,04	−9.9505	−9.3685	0.8999	9.9630	....	180	iii. 938	2903	1687	
2537	76 10 24,6	7,95	0,452	+0,07	−9.3054	+8.9767	0.9005	9.9628	....	176	iii. 937			
2538	104 55 9,4	7,96	+ 0,367	.....	−9.8166	−9.0094	0.9009	9.9628	....	....	.....	....	....	B.F 1075
2539	168 46 54,5	7,98	− 0,417	+0,73	−9.9931	−9.5915	0.9021	9.9626	....	....	.....	2993	1708	
2540	60 45 30,8	7,99	+ 0,503	+0,24	+8.8407	+9.2893	0.9026	9.9625	1108	178	ii. 943	....	....	M 308
2541	138 15 36,1	8,00	0,227	−0,22	−9.9882	−9.4739	0.9032	9.9623	....	....	v. 853	2918	1694	
2542	99 12 17,5	8,00	0,384	+0,02	−9.7597	−8.8051	0.9033	9.9623	1110	181	ii. 944	....	....	J 179
2543	127 57 56,8	8,01	0,283	+0,01	−9.9572	−9.3905	0.9037	9.9623	....	185	iii. 939	2909	1692	
2544	67 15 2,1	8,03	0,479	−0,07	−8.6618	+9.1899	0.9048	9.9620	....	179	ii. 945	....	....	M 309
2545	127 47 43,1	8,03	0,283	−0,17	−9.9564	−9.3899	0.9048	9.9620	....	186	v. 854	2912	1696	
2546	127 55 1,2	8,04	0,283	+0,02	−9.9568	−9.3915	0.9052	9.9620	....	188	iii. 941	2913	1697	
2547	127 14 3,8	8,05	0,286	−0,10	−9.9541	−9.3852	0.9056	9.9619	....	190	iii. 942	2914	1698	
2548	9 45 40,2	8,07	1,360	+0,02	+9.9183	+9.5984	0.9070	9.9616	....	155	iii. 936	....	....	G 1355
2549	63 51 47,0	8,07	0,490	+0,01	+8.1335	+9.2488	0.9071	9.9616	1109	183	ii. 946	....	....	M 310
2550	138 42 31,2	8,08	0,224	+0,21	−9.9886	−9.4813	0.9077	9.9615	....	....	v. 857	2920	1702	
2551	65 14 49,2	8,11	0,485	+0,05	−8.0453	+9.2286	0.9089	9.9613	1111	184	ii. 947	....	....	M 311
2552	142 55 45,9	8,11	0,194	−0,16	−9.9963	−9.5087	0.9090	9.9612	....	....	v. 858	2926	1705	
2553	145 53 12,7	8,12	0,169	+0,05	−0.0002	−9.5251	0.9093	9.9612	....	....	v. 859	2930	1706	
2554	128 11 8,9	8,16	0,281	+0,06	−9.9571	−9.4004	0.9115	9.9607	....	193	iii. 943	2924	1709	
2555	61 36 58,6	8,17	0,497	+0,06	+8.7193	+9.2869	0.9121	9.9606	1112	191	ii. 948	....	1704	M 312
2556	69 19 42,7	8,19	0,470	+0,01	−8.9227	+9.1586	0.9130	9.9604	1113	192	ii. 949			
2557	115 59 55,1	8,21	0,329	+0,08	−9.8977	−9.2537	0.9141	9.9602	1116	195	v. 860	2923	1710	
2558	71 7 41,6	8,27	0,463	+0,04	−9.0641	+9.1252	0.9176	9.9595	1115	194	ii. 951	....	....	M 313
2559	144 21 29,0	8,27	0,182	+0,10	−9.9970	−9.5253	0.9176	9.9595	....	....	v. 864	2946	1719	
2560	118 3 23,2	8,28	0,322	−0,08	−9.9092	−9.2880	0.9178	9.9595	1118	200	ii. 952	2932	1715	
2561	125 41 49,8	8,29	0,292	+0,08	−9.9463	−9.3826	0.9188	9.9593	....	203	iii. 946	2939	1718	
2562	118 35 54,3	8,30	0,320	−0,03	−9.9121	−9.2969	0.9191	9.9592	1120	201	ii. 954	2938	1717	J 180, P 355
2563	56 13 15,0	8,30	0,516	+0,02	+9.1626	+9.3621	0.9192	9.9592	1114	196	iii. 945			
2564	78 52 11,4	8,32	0,439	−0,01	−9.3981	+8.9034	0.9200	9.9590	1117	198	ii. 953			
2565	114 19 0,7	+8,34	+0,334	.....	−9.8865	−9.2335	+0.9210	+9.9588	....	....	.....	....	....	B.F 1089

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2566	Puppis .....T	5½	7 38 19,47	+1,864	−0,0023	+0,015	−8.5919	+8.9316	+0.2703	+8.4399
2567	Volantis	6	38 24,11	−1,152	−0,0805	−0,007	9.0014	9.3407	−0.0615	+8.9841
2568	Puppis	6	38 24,76	+2,126	−0,0012	+0,018	8.5459	8.8851	+0.3276	+8.3337
2569	2 Puppis	7	38 35,21	2,760	−0,0023	+0,002	8.4578	8.7962	0.4409	+7.8514
2570	Puppis .....W	4½	38 35,45	2,030	−0,0015	+0,009	8.5635	8.9018	0.3075	+8.3767
2571*	Carinæ	6	38 38,54	1,272	−0,0081	+0,001	8.6963	9.0344	0.1045	+8.6147
2572	Puppis	6	38 41,10	2,197	−0,0011	+0,005	8.5349	8.8728	0.3419	+8.3011
2573	4 Puppis	5½	39 2,46	2,763	−0,0025	+0,002	8.4594	8.7955	0.4414	+7.8492
2574	Carinæ	6	39 12,45	1,285	−0,0080	−0,007	8.6967	9.0320	0.1090	+8.6142
2575*	Puppis	6	39 14,66	2,137	−0,0012	+0,025	8.5478	8.8829	0.3297	+8.3331
2576	Lyncis	6	39 15,21	4,772	−0,0420	−0,004	8.6828	9.0178	0.6787	−8.5935
2577	Carinæ	6	39 24,35	1,109	−0,0106	−0,055	8.7265	9.0608	0.0448	+8.6562
2578	82 Geminorum	7	39 35,15	3,598	−0,0123	+0,002	8.4858	8.8192	0.5561	−8.0867
2579	Carinæ	6	39 35,89	1,106	−0,0107	−0,012	8.7278	9.0611	0.0438	+8.6577
2580	Puppis ..... *c*	5	39 54,63	2,137	−0,0011	−0,005	8.5506	8.8824	0.3298	+8.3361
2581	Puppis	6	39 59,15	2,257	−0,0010	−0,045	8.5306	8.8620	0.3535	+8.2768
2582	Carinæ	6	40 3,91	1,141	−0,0101	.....	8.7245	9.0553	0.0574	+8.6523
2583	Carinæ	6	40 11,76	1,622	−0,0041	−0,006	8.6435	8.9739	0.2100	+8.5284
2584	Puppis	6	40 11,97	1,788	−0,0028	−0,016	8.6140	8.9444	0.2523	+8.4757
2585*	Ursæ Minoris	6	40 23,17	15,582	−1,2021	.....	9.4677	9.7971	1.1926	−9.4657
2586*	Geminorum	7	40 39,12	3,730	−0,0149	.....	8.5089	8.8370	0.5717	−8.1885
2587*	Puppis	6	40 45,68	2,578	−0,0015	.....	8.4862	8.8138	0.4113	+8.0627
2588	Puppis	6½	40 50,28	2,140	−0,0012	+0,015	8.5542	8.8814	0.3304	+8.3393
2589*	5 Puppis	6	40 55,33	2,817	−0,0028	−0,004	8.4629	8.7897	0.4498	+7.7746
2590	Camelopardi.....	5½	40 56,71	9,844	−0,3909	−0,025	9.2087	9.5354	0.9932	−9.2019
2591	Puppis	6½	41 12,41	2,146	−0,0012	+0,003	8.5547	8.8801	0.3317	+8.3382
2592	Geminorum	7½	41 23,53	3,874	−0,0180	+0,005	8.5349	8.8594	0.5881	−8.2780
2593	Puppis	6	41 23,68	2,068	−0,0014	+0,008	8.5693	8.8938	0.3155	+8.3746
2594	Puppis ..... *o*	5	41 51,22	2,493	−0,0012	+0,009	8.5021	8.8243	0.3967	+8.1371
2595	Puppis	6	42 6,62	2,123	−0,0012	+0,009	8.5627	8.8836	0.3270	+8.3534
2596	Camelopardi.....	5½	42 7,67	7,365	−0,1790	.....	9.0263	9.3472	0.8672	−9.0098
2597	Puppis .....S	6	42 22,58	1,743	−0,0031	−0,011	8.6317	8.9514	0.2414	+8.5011
2598	Carinæ	6	42 27,23	1,259	−0,0085	+0,034	8.7162	9.0355	0.0999	+8.6366
2599*	Puppis	6½	42 44,07	2,521	−0,0013	.....	8.5019	8.8198	0.4015	+8.1203
2600	Puppis	6½	42 51,08	2,340	−0,0010	+0,007	8.5293	8.8467	0.3692	+8.2442
2601	6 Puppis	5½	42 54,73	2,706	−0,0021	+0,009	8.4806	8.7976	0.4323	+7.9428
2602*	Argûs ..... ξ	3½	42 59,35	2,522	−0,0012	+0,005	8.5027	8.8194	0.4018	+8.1202
2603*	Puppis	5½	42 59,73	1,813	−0,0026	+0,004	8.6220	8.9386	0.2584	+8.4806
2604*	Puppis	6	43 0,97	2,050	−0,0014	+0,013	8.5795	8.8960	0.3118	+8.3900
2605	Geminorum	7	43 12,80	3,502	−0,0110	−0,011	8.4889	8.8045	0.5443	−8.0167
2606	25 Lyncis	6½	43 33,63	+4,396	−0,0319	0,000	8.6366	8.9505	+0.6430	−8.5061
2607*	Volantis ..... ζ	5	43 38,25	−0,687	−0,0641	+0,018	8.9803	9.2939	−9.8368	+8.9591
2608	Puppis	6	43 39,72	+2,233	−0,0010	+0,004	8.5504	8.8638	+0.3488	+8.3076
2609	26 Lyncis	5½	43 46,05	4,403	−0,0322	−0,005	8.6389	8.9518	0.6438	−8.5096
2610	Volantis	6	7 43 49,15	+0,407	−0,0264	.....	−8.8508	+9.1635	+9.6098	+8.8105

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2566	134 47 39,7	+8,34	+0,247	+0,52	−9.9771	−9.4670	+0.9213	+9.9587	....	211	iii. 947	2950	1722	
2567	163 56 21,5	8,35	−0,153	+0,81	−9.9973	−9.6021	0.9216	9.9587	....	....	.....	3010	1731	
2568	127 50 43,0	8,35	+0,282	−0,06	−9.9545	−9.4073	0.9217	9.9587	....	208	iii. 948	2943	1721	
2569	104 19 46,8	8,36	0,366	0,00	−9.8099	−9.0137	0.9224	9.9585	1121	205	iv. 555			
2570	130 34 13,5	8,36	0,269	+0,32	−9.9641	−9.4334	0.9224	9.9585	....	213	iii. 950	2945	1723	
2571	145 57 37,4	8,37	0,169	−0,16	−9.9983	−9.5388	0.9226	9.9585	....	....	v. 866	2963	1724	
2572	125 42 31,7	8,37	0,291	−0,04	−9.9459	−9.3867	0.9228	9.9584	....	212	iii. 951	2944		
2573	104 12 10,1	8,40	0,366	+0,01	−9.8086	−9.0118	0.9243	9.9581	1122	210	ii. 955			
2574	145 47 25,8	8,41	0,170	−0,07	−9.9977	−9.5402	0.9249	9.9580	....	....	v. 870	2970	1728	
2575	127 34 59,7	8,42	0,283	+0,13	−9.9530	−9.4081	0.9251	9.9579	....	....	v. 869	2954	1726	
2576	35 30 16,3	8,42	0,632	+0,09	+9.6874	+9.5336	0.9251	9.9579	....	199	iii. 949	....	....	G 1372
2577	148 16 9,5	8,43	0,147	−1,29	−0.0000	−9.5532	0.9257	9.9578	....	....	v. 871	2979	1732	
2578	66 29 28,3	8,44	0,476	−0,05	−8.5575	+9.2251	0.9265	9.9576	1119	207	ii. 956			
2579	148 18 40,9	8,44	0,146	−0,35	−9.9999	−9.5542	0.9265	9.9576	....	....	v. 874	2982	1737	
2580	127 36 23,7	8,47	0,283	−0,07	−9.9528	−9.4111	0.9278	9.9574	....	214	ii. 957	2958	1735	J 181
2581	123 52 40,8	8,47	0,298	−1,70	−9.9373	−9.3721	0.9281	9.9573	....	....	v. 875	2957	1736	
2582	147 52 18,5	8,48	0,151	−0,36	−9.9992	−9.5541	0.9285	9.9572	....	....	v. 877	2986	1742	
2583	140 6 14,0	8,49	0,214	0,00	−9.9883	−9.5117	0.9290	9.9571	....	....	v. 879	2976	1740	
2584	136 38 50,6	8,49	0,236	−0,07	−9.9808	−9.4884	0.9290	9.9571	....	....	v. 878	2973	1739	
2585	5 31 39,6	8,51	2,058	.....	+9.9343	+9.6255	0.9297	9.9569	....	....	.....	....	....	G 1359
2586	61 25 48,1	8,53	0,492	.....	+8.7143	+9.3082	0.9308	9.9567	....	....	.....	....	....	B.F 1083?
2587	112 9 8,1	8,54	0,340	.....	−9.8711	−9.2055	0.9313	9.9566	....	....	.....	....	....	B.F 1094
2588	127 34 9,7	8,54	0,282	−0,02	−9.9522	−9.4145	0.9316	9.9565	....	218	v. 882	2972	1744	
2589	101 49 41,0	8,55	0,372	−0,01	−9.7855	−8.9414	0.9319	9.9565	1124	217	iii. 953			
2590	10 7 24,3	8,55	1,299	+0,10	+9.9107	+9.6230	0.9320	9.9564	....	187	iv. 556	....	....	G 1368
2591	127 24 19,1	8,57	0,283	+0,17	−9.9513	−9.4143	0.9330	9.9562	....	....	v. 883	2978	1745	
2592	56 23 35,2	8,59	0,511	−0,01	+9.1424	+9.3747	0.9338	9.9560	....	215	iv. 559	....	....	B.F 1084
2593	129 41 35,9	8,59	0,273	−0,04	−9.9596	−9.4369	0.9338	9.9560	....	....	v. 886	2984	1748	
2594	115 34 5,7	8,62	0,328	+0,07	−9.8928	−9.2685	0.9356	9.9556	....	220	ii. 958	2981	1750	B.F 1099
2595	128 8 34,5	8,64	0,279	+0,07	−9.9536	−9.4252	0.9366	9.9554	....	225	iii. 956	2991	1755	
2596	15 41 26,2	8,64	0,969	.....	+9.8758	+9.6180	0.9367	9.9554	....	....	.....	....	....	G 1374
2597	137 44 42,6	8,66	0,229	+0,16	−9.9820	−9.5048	0.9377	9.9552	....	....	v. 892	2999	1759	
2598	146 21 39,1	8,67	0,166	+1,01	−9.9961	−9.5562	0.9380	9.9551	....	....	v. 893	3011	1762	
2599	114 32 16,4	8,69	0,331	−0,28	−9.8860	−9.2552	0.9391	9.9548	1130	....	v. 894	2990	1760	B 28
2600	121 14 40,4	8,70	0,308	−0,13	−9.9234	−9.3523	0.9396	9.9547	....	231	iii. 958	2995		
2601	106 50 59,4	8,71	0,356	+0,12	−9.8302	−9.0998	0.9398	9.9547	1129	229	ii. 959			
2602	114 29 12,2	8,71	0,331	−0,01	−9.8855	−9.2554	0.9401	9.9546	1132	230	ii. 961	2994	1763	J 182
2603	136 14 22,5	8,71	0,238	+0,16	−9.9780	−9.4966	0.9401	9.9546	....	235	iii. 960	3003	1765	
2604	130 16 49,9	8,71	0,269	+0,20	−9.9607	−9.4486	0.9402	9.9546	....	....	v. 895	3001	1764	
2605	70 17 46,7	8,73	0,460	+0,08	−9.0216	+9.1666	0.9410	9.9544	....	224	ii. 960	....	....	M 314
2606	42 13 54,7	8,76	+0,577	+0,04	+9.5733	+9.5096	0.9424	9.9541	1125	221	iii. 959			
2607	162 15 8,4	8,76	−0,090	+0,95	−9.9952	−9.6193	0.9427	9.9540	....	....	.....	3056	1779	R 98
2608	124 52 17,3	8,77	+0,293	+0,17	−9.9396	−9.3977	0.9428	9.9540	....	237	iii. 963	3002	1769	
2609	42 3 8,4	8,77	0,578	+0,04	+9.5763	+9.5117	0.9432	9.9539	1126	222	iii. 961			
2610	155 42 27,6	+8,78	+0,053	.....	−9.9991	−9.6009	+0.9434	+9.9538	....	....	.....	....	1777	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2611	Puppis ..... Q	5½	7 43 52,07	+1,795	−0,0028	−0,016	−8.6290	+8.9415	+0.2541	+8.4911
2612	13 Canis Minoris .. ζ	5½	43 55,19	3,116	−0,0056	+0,001	8.4657	8.7779	0.4935	−7.0392
2613	84 Geminorum	6½	44 6,38	3,574	−0,0124	+0,004	8.5012	8.8126	0.5531	−8.0880
2614	Puppis	6	44 6,81	2,051	−0,0014	+0,013	8.5840	8.8953	0.3119	+8.3950
2615*	Carinæ	6	44 11,59	1,106	−0,0112	.....	8.7492	9.0601	0.0436	+8.6802
2616	52 Camelopardi.....	5½	44 15,77	4,912	−0,0494	+0,005	8.7294	9.0400	0.6913	−8.6525
2617	83 Geminorum .... φ	5	44 18,72	+3,686	−0,0146	+0,002	8.5177	8.8280	+0.5666	−8.1769
2618	Volantis	6	44 38,40	−0,131	−0,0433	−0,007	8.9230	9.2317	−9.1179	+8.8944
2619	8 Puppis	6½	44 39,88	+2,806	−0,0027	+0,001	8.4786	8.7873	+0.4481	+7.8119
2620	Puppis ..... P	4½	44 40,19	1,828	−0,0026	−0,002	8.6266	8.9352	0.2620	+8.4835
2621	Puppis	6	44 41,12	1,807	−0,0027	−0,024	8.6305	8.9390	0.2569	+8.4909
2622	9 Puppis	5	44 49,57	2,783	−0,0025	−0,003	8.4811	8.7890	0.4444	+7.8494
2623	Carinæ	6	45 7,93	1,287	−0,0084	+0,004	8.7236	9.0300	0.1096	+8.6427
2624	10 Puppis	6	45 24,70	2,762	−0,0024	+0,002	8.4852	8.7903	0.4412	+7.8828
2625*	Puppis	neb.	45 34,66	2,127	−0,0012	.....	8.5767	8.8810	0.3278	+8.3683
2626	Carinæ	5½	45 54,21	1,294	−0,0083	+0,008	8.7259	9.0286	0.1120	+8.6446
2627	Puppis	6	45 56,92	1,907	−0,0021	−0,012	8.6178	8.9203	0.2803	+8.4611
2628	Carinæ	6	46 19,25	1,639	−0,0042	+0,001	8.6678	8.9685	0.2146	+8.5528
2629	Puppis	5	46 40,65	2,255	−0,0009	+0,008	8.5591	8.8582	0.3531	+8.3104
2630	Carinæ	6	46 44,29	1,009	−0,0132	+0,015	8.7761	9.0749	0.0039	+8.7132
2631*	Puppis	6	46 44,66	1,797	−0,0027	−0,008	8.6411	8.9399	0.2546	+8.5041
2632	85 Geminorum	6½	46 54,29	+3,512	−0,0116	+0,001	8.5046	8.8026	+0.5455	−8.0444
2633	Chameleontis	6	47 0,76	−2,560	−0,1744	−0,086	9.1604	9.4579	−0.4083	+9.1509
2634	Puppis ..... *a*	5	47 3,67	+2,062	−0,0014	+0,001	8.5944	8.8917	+0.3143	+8.4042
2635	Puppis ..... *b*	5	47 20,41	2,122	−0,0011	+0,010	8.5848	8.8807	0.3268	+8.3787
2636*	Canis Minoris	6	47 22,23	3,265	−0,0077	−0,002	8.4843	8.7801	0.5139	−7.6907
2637	Puppis	6	47 32,87	2,205	−0,0010	+0,001	8.5712	8.8662	0.3434	+8.3402
2638	Lyncis	6	47 43,19	4,237	−0,0286	.....	8.6257	8.9199	0.6270	−8.4704
2639	1 Cancri	6	48 28,29	3,416	−0,0101	+0,004	8.5003	8.7909	0.5335	−7.9455
2640	Puppis	6	48 37,53	2,222	−0,0010	+0,005	8.5725	8.8624	0.3468	+8.3364
2641	Volantis	6	48 38,91	0,422	−0,0273	−0,032	8.8709	9.1607	9.6251	+8.8310
2642	Velorum	5	48 49,76	1,692	−0,0037	−0,014	8.6691	8.9580	0.2284	+8.5483
2643*	53 Camelopardi.....	6	48 51,31	5,192	−0,0633	0,000	8.7949	9.0837	0.7153	−8.7355
2644	Puppis ..... R	4	48 53,31	1,763	−0,0031	−0,026	8.6563	8.9450	0.2464	+8.5254
2645*	Carinæ	6	48 54,74	1,436	−0,0065	−0,001	8.7149	9.0035	0.1570	+8.6228
2646	Puppis	6	49 1,95	2,255	−0,0009	+0,010	8.5685	8.8565	0.3532	+8.3212
2647	Canis Minoris	7½	49 7,53	3,260	−0,0077	+0,004	8.4906	8.7781	0.5132	−7.6867
2648*	Camelopardi.....	6	49 16,43	5,249	−0,0661	−0,004	8.8056	9.0925	0.7201	−8.7490
2649*	Cancri	7	49 57,79	3,431	−0,0105	+0,005	8.5074	8.7911	0.5355	−7.9714
2650	54 Camelopardi.....	6	50 20,55	4,944	−0,0539	.....	8.7615	9.0435	0.6941	−8.6884
2651	Puppis	6	50 24,34	2,390	−0,0009	−0,010	8.5518	8.8334	0.3783	+8.2493
2652	11 Puppis	5½	50 24,86	2,580	−0,0015	+0,003	8.5242	8.8058	0.4117	+8.1067
2653	14 Canis Minoris	6	50 33,95	3,125	−0,0060	−0,007	8.4908	8.7717	0.4948	−7.1509
2654	Cancri	7	51 12,39	3,358	−0,0094	+0,004	8.5051	8.7831	0.5260	−7.8779
2655	Puppis	6	7 51 41,59	+2,390	−0,0009	+0,017	−8.5566	+8.8323	+0.3785	+8.2547

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2611	136 42 6,3	+8,78	+0,235	+0,14	−9.9786	−9.5033	+0.9436	+9.9538	....	....	v. 899	3017	1772	
2612	87 51 14,0	8,79	0,409	+0,01	−9.6021	+8.2150	0.9438	9.9537	1131	234	ii. 962			
2613	67 16 56,9	8,80	0,468	−0,07	−8.7267	+9.2291	0.9445	9.9536	1127	232	iii. 964			
2614	130 19 37,3	8,80	0,269	−0,03	−9.9601	−9.4533	0.9445	9.9536	....	....	v. 900	3015	1773	
2615	148 33 39,6	8,81	0,145	.....	−9.9969	−9.5736	0.9448	9.9535	....	....	.....	3030		
2616	33 6 25,8	8,81	0,644	+0,02	+9.7122	+9.5659	0.9451	9.9534	1123	223	iii. 962			
2617	62 51 1,8	8,82	+0,483	+0,03	+8.3766	+9.3023	0.9453	9.9534	1128	233	ii. 963	....	....	M 315
2618	159 27 14,4	8,84	−0,017	−0,13	−9.9969	−9.6158	0.9465	9.9531	....	....	.....	3057	1785	
2619	102 26 20,3	8,84	+0,367	0,00	−9.7904	−8.9777	0.9466	9.9530	1133	239	iii. 965			
2620	135 59 53,8	8,84	0,239	+0,06	−9.9764	−9.5014	0.9467	9.9530	....	244	v. 901	3022	1778	J 184
2621	136 28 58,0	8,85	0,237	+0,04	−9.9775	−9.5049	0.9467	9.9530	....	....	v. 902	3024	1780	
2622	103 30 10,8	8,86	0,364	+0,33	−9.8004	−9.0133	0.9473	9.9529	1134	240	ii. 964	....	....	J 183
2623	146 5 46,6	8,88	0,168	−0,04	−9.9940	−9.5653	0.9484	9.9526	....	....	v. 904	3036	1784	
2624	104 27 54,2	8,90	0,361	+0,05	−9.8089	−9.0449	0.9495	9.9523	1136	243	ii. 966			
2625	128 13 57,8	8,92	0,278	.....	−9.9520	−9.4395	0.9501	9.9522	....	....	.....	3026		
2626	146 1 58,2	8,94	0,169	−0,11	−9.9934	−9.5679	0.9514	9.9519	....	....	v. 906	3046	1788	
2627	134 12 6,7	8,94	0,249	+0,10	−9.9709	−9.4927	0.9516	9.9518	....	....	v. 905	3033	1787	
2628	140 7 42,4	8,97	0,214	+0,24	−9.9844	−9.5358	0.9530	9.9515	....	....	v. 912	3043	1796	
2629	124 19 58,0	9,00	0,294	−0,09	−9.9357	−9.4034	0.9543	9.9512	....	250	iii. 967	3035	1797	
2630	149 54 38,9	9,01	0,132	−0,35	−9.9959	−9.5895	0.9545	9.9511	....	....	v. 914	3060	1800	
2631	136 50 1,1	9,01	0,234	−0,20	−9.9771	−9.5153	0.9546	9.9511	....	....	v. 913	3047	1798	
2632	69 43 28,5	9,02	+0,457	+0,04	−8.9895	+9.1927	0.9552	9.9509	1137	246	ii. 967	....	....	M 316
2633	168 1 46,4	9,03	−0,333	+0,23	−9.9839	−9.6438	0.9556	9.9508	....	....	.....	3107	1810	
2634	130 11 32,2	9,03	+0,269	+0,09	−9.9579	−9.4633	0.9558	9.9508	....	253	iii. 968	3044	1799	J 185
2635	128 28 38,4	9,05	0,276	+0,07	−9.9518	−9.4485	0.9568	9.9505	....	254	ii. 969	3049	1801	J 186
2636	80 44 36,8	9,06	0,425	+0,12	−9.4545	+8.8611	0.9569	9.9505	....	249	ii. 968	....	....	B.H 352
2637	125 58 40,2	9,07	0,287	+0,11	−9.9421	−9.4244	0.9576	9.9503	....	256	iii. 969	3052	1802	
2638	45 37 39,5	9,08	0,551	.....	+9.4960	+9.5007	0.9582	9.9502	....	....	.....	....	....	G 1384
2639	73 48 44,3	9,14	0,443	0,00	−9.2271	+9.1041	0.9610	9.9494	1138	255	ii. 970			
2640	125 29 17,5	9,15	0,288	+0,12	−9.9394	−9.4232	0.9616	9.9493	....	259	iii. 973	3059	1805	
2641	155 48 56,8	9,16	0,055	+0,29	−9.9954	−9.6196	0.9617	9.9493	....	....	.....	3083	1815	
2642	139 13 31,2	9,17	0,219	+0,18	−9.9809	−9.5394	0.9623	9.9491	....	....	v. 919	3069	1813	
2643	29 16 19,4	9,17	0,673	+0,03	+9.7510	+9.6009	0.9624	9.9491	1135	248	iii. 970			
2644	137 42 45,1	9,17	0,229	−0,31	−9.9776	−9.5294	0.9626	9.9490	....	....	v. 921	3068	1812	J 187
2645	143 58 50,8	9,18	0,186	+0,06	−9.9887	−9.5683	0.9626	9.9490	....	....	v. 922	3074	1814	
2646	124 27 13,4	9,19	0,292	−0,02	−9.9349	−9.4135	0.9631	9.9489	....	262	iii. 975	3063	1811	
2647	80 57 43,6	9,19	0,423	+0,06	−9.4609	+8.8574	0.9634	9.9488	....	258	iv. 567	....	....	B.F 1110
2648	28 36 12,0	9,20	0,680	−0,01	+9.7576	+9.6052	0.9640	9.9486	....	251	iii. 972	....	....	B.H 1500
2649	73 4 48,5	9,26	0,444	−0,09	−9.1959	+9.1282	0.9665	9.9480	....	261	ii. 972	....	....	B.F. 1111
2650	32 19 0,0	9,29	0,639	.....	+9.7135	+9.5926	0.9679	9.9476	....	....	.....	....	....	G 1392
2651	119 53 23,0	9,29	0,309	+0,50	−9.9127	−9.3634	0.9681	9.9475	....	....	v. 926	3072	1819	
2652	112 28 58,2	9,29	0,334	−0,03	−9.8692	−9.2484	0.9681	9.9475	1141	266	ii. 974			
2653	87 22 45,9	9,30	0,404	−0,01	−9.5944	+8.3266	0.9687	9.9474	1139	265	ii. 973			
2654	76 21 14,4	9,35	0,433	+0,04	−9.3284	+9.0415	0.9710	9.9467	....	267	ii. 975	....	....	W 466
2655	119 56 8,0	+9,39	+0,308	+0,11	−9.9122	−9.3686	+0.9727	+9.9462	....	277	ii. 977	3081	1825	W 468

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2656	Carinæ	6	7 51 46,90	+1,258	−0,0093	+0,010	−8.7576	+9.0329	+0.0998	+8.6807
2657	2 Cancri .....ω^1	6	51 50,95	3,642	−0,0146	+0,004	8.5406	8.8156	0.5613	−8.1793
2658*	Cancri	7	52 2,39	3,469	−0,0113	+0,013	8.5191	8.7932	0.5402	−8.0240
2659*	3 Cancri	6	52 11,30	3,448	−0,0109	+0,001	8.5173	8.7908	0.5375	−8.0006
2660	27 Monocerotis.....	6½	52 14,26	3,003	−0,0046	−0,005	8.4971	8.7703	0.4776	+7.2538
2661	Puppis .....N	6	52 26,96	1,943	−0,0018	−0,003	8.6381	8.9104	0.2885	+8.4775
2662	12 Puppis	6	52 39,77	2,573	−0,0014	+0,001	8.5336	8.8049	0.4104	+8.1237
2663*	4 Cancri .....ω^2	6½	52 40,57	3,633	−0,0146	+0,005	8.5424	8.8137	0.5602	−8.1764
2664	5 Cancri	6	52 57,02	3,428	−0,0107	+0,002	8.5180	8.7880	0.5350	−7.9806
2665	Argûs .....χ	4	52 57,65	1,531	−0,0055	−0,013	8.7153	8.9852	0.1850	+8.6152
2666*	Puppis	5	53 8,56	2,688	−0,0020	.....	8.5213	8.7905	0.4295	+8.0111
2667	Puppis .....O	6	53 10,53	1,886	−0,0022	+0,031	8.6515	8.9205	0.2755	+8.5024
2668	28 Monocerotis.....	5½	53 35,55	3,051	−0,0052	+0,008	8.5012	8.7683	0.4844	+6.7342
2669	Carinæ	6	53 46,09	1,024	−0,0136	−0,008	8.8045	9.0707	0.0103	+8.7425
2670*	Velorum	5	53 56,71	1,726	−0,0034	+0,029	8.6840	8.9495	0.2371	+8.5608
2671	Puppis	6	54 11,29	2,123	−0,0010	+0,023	8.6120	8.8764	0.3270	+8.4098
2672	6 Cancri	5½	54 17,95	3,700	−0,0162	+0,002	8.5585	8.8224	0.5683	−8.2331
2673*	Canis Minoris	5	54 27,69	3,127	−0,0062	+0,002	8.5047	8.7678	0.4951	−7.1846
2674	Camelopardi.....	6½	54 41,10	6,319	−0,1290	.....	8.9739	9.2361	0.8007	−8.9473
2675	Puppis	6½	54 55,95	2,524	−0,0012	−0,006	8.5485	8.8096	0.4021	+8.1745
2676	7 Cancri	6½	54 58,81	3,556	−0,0133	−0,002	8.5403	8.8012	0.5510	−8.1230
2677	Camelopardi.....	6	55 0,49	12,433	−0,8197	.....	9.4119	9.6726	1.0946	−9.4085
2678*	Carinæ	6	55 0,80	1,048	−0,0133	+0,085	8.8059	9.0665	0.0205	+8.7430
2679	Cancri	6½	55 2,55	3,285	−0,0085	+0,005	8.5133	8.7739	0.5165	−7.7681
2680	Carinæ	6	55 17,52	0,782	−0,0192	.....	8.8484	9.1078	9.8934	+8.7979
2681*	Camelopardi.....	6	55 28,01	5,711	−0,0940	+0,012	8.8999	9.1585	0.7567	−8.8609
2682*	Carinæ	6	55 54,37	1,745	−0,0033	+0,047	8.6886	8.9452	0.2418	+8.5636
2683*	Cancri	6	56 4,85	3,479	−0,0119	.....	8.5348	8.7907	0.5415	−8.0532
2684*	Carinæ	6	56 5,68	1,751	−0,0032	−0,069	8.6882	8.9440	0.2433	+8.5624
2685	Puppis	6	56 8,66	2,194	−0,0008	−0,008	8.6069	8.8625	0.3412	+8.3850
2686	Carinæ	6	56 19,77	1,011	−0,0143	.....	8.8174	9.0722	0.0048	+8.7568
2687	Carinæ	6	56 20,52	1,013	−0,0143	−0,007	8.8172	9.0719	0.0055	+8.7565
2688*	Cancri	7	56 25,26	3,691	−0,0164	.....	8.5648	8.8192	0.5671	−8.2357
2689*	Puppis	6	56 36,14	2,202	−0,0008	+0,006	8.6071	8.8607	0.3429	+8.3829
2690	8 Cancri	6	56 42,93	3,352	−0,0097	+0,001	8.5242	8.7772	0.5253	−7.8937
2691*	28 Lyncis	6½	56 45,41	4,186	−0,0296	0,000	8.6528	8.9057	0.6218	−8.4921
2692*	Puppis	6½	56 56,16	1,937	−0,0019	−0,073	8.6571	8.9091	0.2871	+8.5003
2693	Carinæ	6	57 1,39	1,067	−0,0132	+0,028	8.8113	9.0630	0.0281	+8.7480
2694	Carinæ	6	57 3,36	1,036	−0,0138	−0,007	8.8164	9.0680	0.0154	+8.7547
2695*	Carinæ	6	57 3,47	1,043	−0,0137	.....	8.8153	9.0669	0.0182	+8.7533
2696	Carinæ	5½	57 8,20	1,481	−0,0063	−0,020	8.7414	8.9926	0.1706	+8.6479
2697	27 Lyncis	5	57 9,07	4,560	−0,0423	−0,004	8.7234	8.9745	0.6589	−8.6195
2698	Cancri	6½	57 10,29	3,360	−0,0099	−0,003	8.5264	8.7775	0.5263	−7.9079
2699	Puppis	6	57 13,32	2,341	−0,0007	+0,013	8.5854	8.8362	0.3694	+8.3102
2700	9 Cancri .....μ^1	6	7 57 24,79	+3,567	−0,0138	+0,001	−8.5505	+8.8004	+0.5523	−8.1434

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2656	146 54 31,4	+9,40	+0,162	+0,04	−9.9899	−9.5940	+0.9731	+9.9462	....	....	.....	3097	1829	
2657	64 12 3,2	9,40	0,469	−0,01	−9.7993	+9.3098	0.9733	9.9461	1140	270	ii. 976	....	....	M 317
2658	71 20 51,3	9,42	0,447	−0,01	−9.1099	+9.1767	0.9740	9.9459	1142	273	iii. 978			
2659	72 17 4,1	9,43	0,444	+0,04	−9.1608	+9.1556	0.9745	9.9457	1143	275	ii. 978	....	....	P 360
2660	93 16 25,7	9,43	0,387	−0,03	−9.6846	−8.4292	0.9747	9.9457	1145	278	iii. 979			
2661	133 42 31,8	9,45	0,250	+0,08	−9.9653	−9.5127	0.9754	9.9455	....	283	iii. 982	3089	1831	
2662	112 54 18,6	9,47	0,331	−0,04	−9.8709	−9.2642	0.9762	9.9453	1150	281	ii. 980			
2663	64 30 10,3	9,47	0,467	+0,01	−8.0864	+9.3080	0.9762	9.9453	1144	276	ii. 979	....	....	W 469
2664	73 8 3,9	9,49	0,440	−0,04	−9.2033	+9.1376	0.9772	9.9450	1146	279	ii. 981			
2665	142 34 54,4	9,49	0,197	+0,01	−9.9838	−9.5750	0.9772	9.9450	....	....	v. 935	3102	1835	J 188, R 99
2666	107 59 25,7	9,50	0,345	.....	−9.8355	−9.1654	0.9779	9.9448	....	....	.....	....	....	B.F 1129
2667	135 10 39,3	9,51	0,242	+0,17	−9.9687	−9.5266	0.9780	9.9447	....	288	iii. 983	3099	1836	
2668	90 58 47,1	9,54	0,391	+0,10	−9.6522	−7.9102	0.9795	9.9443	1151	284	ii. 983			
2669	150 7 30,4	9,55	0,131	−0,06	−9.9907	−9.6159	0.9801	9.9441	....	....	v. 937	3113	1842	
2670	138 50 20,2	9,57	0,221	−0,09	−9.9765	−9.5552	0.9807	9.9440	....	....	v. 939	3105	1839	
2671	128 53 13,4	9,58	0,272	0,00	−9.9491	−9.4771	0.9815	9.9437	....	292	iii. 984	3103	1841	
2672	61 47 23,3	9,59	0,474	+0,07	+8.5146	+9.3543	0.9819	9.9436	1149	285	ii. 984	....	....	M 318
2673	87 15 25,9	9,61	0,400	−0,12	−9.5927	+8.3602	0.9825	9.9434	1153	289	ii. 985	....	....	B.F 1125
2674	19 51 19,0	9,62	0,809	.....	+9.8311	+9.6544	0.9833	9.9432	....	....	.....	....	....	G 1400
2675	115 0 8,6	9,64	0,323	−0,13	−9.8830	−9.3079	0.9841	9.9429	....	....	v. 942	3104	1844	
2676	67 30 43,3	9,65	0,455	−0,04	−8.8169	+9.2647	0.9843	9.9429	1152	290	iii. 986			
2677	7 8 8,8	9,65	1,590	.....	+9.9117	+9.6788	0.9844	9.9429	....	....	.....	....	....	G 1391
2678	149 54 10,3	9,65	0,134	−0,18	−9.9895	−9.6193	0.9844	9.9429	....	....	v. 949	3122	1852	
2679	79 38 35,4	9,65	0,420	+0,16	−9.4302	+8.9370	0.9845	9.9428	....	291	iii. 987			
2680	152 53 31,4	9,67	0,100	.....	−8.9902	−9.6326	0.9854	9.9426	....	....	.....	....	1855	
2681	23 54 39,7	9,68	0,730	+0,07	+9.7957	+9.6448	0.9860	9.9424	....	282	iii. 985	....	....	B.H 1499
2682	138 34 44,6	9,72	0,223	+1,65	−9.9746	−9.5602	0.9875	9.9419	....	....	v. 956	3120	1858	
2683	70 44 15,3	9,73	0,444	.....	−9.0835	+9.2042	0.9881	9.9417	....	....	.....	....	....	B.F 1128
2684	138 27 29,6	9,73	0,223	−0,40	−9.9742	−9.5601	0.9881	9.9417	....	....	v. 959	3123	1860	
2685	126 52 5,9	9,73	0,280	−0,20	−9.9404	−9.4642	0.9883	9.9417	....	....	v. 957	3118	1859	
2686	150 26 1,1	9,75	0,129	.....	−9.9887	−9.6261	0.9889	9.9415	....	....	.....	....	1862	
2687	150 24 51,4	9,75	0,129	−0,16	−9.9887	−9.6261	0.9890	9.9415	....	....	v. 958	3134	1863	
2688	62 2 49,4	9,76	0,470	.....	+8.4200	+9.3580	0.9892	9.9414	....	....	.....	....	....	B.F 1126
2689	126 38 4,8	9,77	0,281	−0,20	−9.9392	−9.4634	0.9898	9.9412	....	....	v. 960	3121	1861	
2690	76 27 29,9	9,78	0,427	+0,05	−9.3375	+9.0575	0.9902	9.9411	1156	296	ii. 986	....	....	M 319
2691	46 18 51,0	9,78	0,533	+0,06	+9.4612	+9.5274	0.9904	9.9410	1155	293	iii. 988			
2692	134 10 53,6	9,79	0,247	−0,70	−9.9635	−9.5319	0.9910	9.9408	....	....	v. 961	3125	1865	
2693	149 47 44,9	9,80	0,136	−0,05	−9.9878	−9.6257	0.9913	9.9407	....	....	v. 963	3138	1868	
2694	150 10 34,7	9,80	0,132	+0,05	−9.9879	−9.6275	0.9914	9.9407	....	....	v. 964	3140	1869	
2695	150 5 36,1	9,80	0,133	.....	−9.9879	−9.6271	0.9914	9.9407	....	....	v. 966	....	1871	
2696	143 44 13,2	9,81	0,188	+0,06	−9.9823	−9.5959	0.9917	9.9406	....	....	v. 965	3135	1870	
2697	38 3 59,2	9,81	0,580	+0,01	+9.6223	+9.5856	0.9917	9.9406	1154	294	ii. 987			
2698	76 4 24,5	9,81	0,427	+0,04	−9.3249	+9.0710	0.9918	9.9406	....	297	iii. 990	....	....	M 320
2699	122 2 47,4	9,82	0,298	+0,09	−9.9193	−9.4145	0.9919	9.9405	....	301	iii. 991	3124	1866	
2700	66 56 25,4	+9,83	+0,453	+0,01	−8.7627	+9.2833	+0.9926	+9.9403	1157	298	ii. 989			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2701	Puppis	6	7 57 35,53	+2,062	−0,0012	.....	−8.6364	+8.8856	+0.3143	+8.4524
2702	Puppis	6	57 36,84	1,936	−0,0018	−0,012	8.6599	8.9089	0.2869	+8.5036
2703*	Cancri	7	57 42,21	3,562	−0,0138	−0,012	8.5509	8.7995	0.5517	−8.1406
2704	Camelopardi.....	6	57 43,14	4,985	−0,0597	.....	8.7995	9.0481	0.6976	−8.7311
2705	Carinæ	6	57 44,42	1,462	−0,0065	−0,017	8.7472	8.9957	0.1650	+8.6557
2706*	Puppis	6½	57 46,52	2,709	−0,0021	.....	8.5355	8.7838	0.4328	+8.0075
2707*	55 Camelopardi.....	5	57 48,59	6,089	−0,1185	+0,007	8.9595	9.2077	0.7846	−8.9294
2708	14 Puppis	6½	58 1,96	2,663	−0,0018	+0,004	8.5415	8.7887	0.4254	+8.0608
2709	Carinæ	6	58 3,16	1,407	−0,0074	+0,002	8.7583	9.0054	0.1481	+8.6718
2710	Argûs ..... ζ	2½	58 18,98	2,109	−0,0010	+0,005	8.6304	8.8764	0.3241	+8.4347
2711	Carinæ	6	58 22,96	1,456	−0,0067	+0,043	8.7509	8.9966	0.1630	+8.6603
2712	Puppis	6	58 25,70	2,337	−0,0007	+0,015	8.5905	8.8359	0.3687	+8.3177
2713	Carinæ .....D[1]	6	58 26,16	0,774	−0,0201	+0,004	8.8629	9.1084	9.8889	+8.8134
2714	10 Cancri .....μ^2	5	58 55,89	3,540	−0,0134	+0,005	8.5522	8.7955	0.5490	−8.1261
2715*	Lyncis	6	59 3,76	4,148	−0,0290	−0,002	8.6547	8.8974	0.6178	−8.4874
2716	Velorum	6	59 10,54	1,732	−0,0034	−0,015	8.7039	8.9461	0.2386	+8.5822
2717	Puppis	6	59 16,95	2,313	−0,0007	−0,005	8.5978	8.8395	0.3641	+8.3358
2718	11 Cancri	7	59 38,70	3,685	−0,0167	+0,002	8.5754	8.8155	0.5664	−8.2458
2719*	Puppis	6	7 59 57,86	2,315	−0,0007	+0,002	8.5999	8.8386	0.3645	+8.3376
2720	12 Cancri	6	8 0 19,17	3,361	−0,0101	+0,002	8.5372	8.7743	0.5264	−7.9230
2721	Velorúm	6	0 32,11	1,684	−0,0039	+0,113	8.7181	8.9544	0.2264	+8.6035
2722*	Camelopardi.....	6	0 32,83	7,780	−0,2540	+0,020	9.1473	9.3835	0.8910	−9.1346
2723*	Puppis	6	0 40,78	2,647	−0,0017	.....	8.5525	8.7881	0.4228	+8.0891
2724	Velorum	6	0 43,05	1,850	−0,0024	−0,005	8.6878	8.9233	0.2673	+8.5488
2725	29 Monocerotis.....	5½	1 3,24	+3,019	−0,0050	+0,001	8.5268	8.7607	+0.4799	+7.1750
2726	Volantis	6	1 4,69	−0,665	−0,0754	−0,066	9.0561	9.2900	−9.8230	+9.0363
2727	13 Cancri .....ψ^1	6½	1 8,68	+3,641	−0,0158	0,000	8.5740	8.8076	+0.5612	−8.2202
2728*	15 Argûs ..... ϱ	3½	1 9,47	2,560	−0,0012	−0,002	8.5655	8.7990	0.4082	+8.1727
2729	Carinæ	6	1 10,28	1,556	−0,0054	+0,001	8.7440	8.9775	0.1921	+8.6445
2730	14 Cancri .....ψ^2	4	1 24,66	3,632	−0,0157	−0,002	8.5737	8.8061	0.5602	−8.2149
2731	Cancri	6½	1 26,97	3,433	−0,0115	0,000	8.5481	8.7803	0.5357	−8.0251
2732	Lyncis	5½	1 50,91	4,838	−0,0556	−0,005	8.7916	9.0221	0.6847	−8.7147
2733	Puppis	6	1 52,04	1,925	−0,0019	−0,003	8.6782	8.9087	0.2844	+8.5265
2734	Cancri	6½	2 13,97	3,816	−0,0203	−0,025	8.6062	8.8350	0.5816	−8.3414
2735	Puppis	6	2 19,89	2,271	−0,0006	+0,007	8.6159	8.8443	0.3563	+8.3721
2736	16 Puppis	5	2 19,91	2,679	−0,0019	+0,003	8.5543	8.7827	0.4279	+8.0627
2737*	Cancri	7	2 32,93	3,380	−0,0106	.....	8.5463	8.7738	0.5290	−7.9613
2738	Carinæ .....D[2]	6	2 33,89	0,870	−0,0184	+0,013	8.8654	9.0928	9.9393	+8.8130
2739*	Puppis	6	2 37,01	2,745	−0,0024	.....	8.5481	8.7753	0.4385	+7.9834
2740*	Cancri	6½	3 5,55	3,279	−0,0089	−0,003	8.5399	8.7650	0.5157	−7.7906
2741	56 Camelopardi.....	6	3 9,19	5,128	−0,0698	−0,003	8.8452	9.0700	0.7100	−8.7863
2742	Velorum	6	3 16,48	1,769	−0,0031	.....	8.7128	8.9372	0.2478	+8.5878
2743	Puppis	6	3 30,66	2,267	−0,0006	+0,017	8.6209	8.8443	0.3554	+8.3797
2744	16 Cancri ..... ζ	5½	3 36,28	3,446	−0,0119	+0,009	8.5565	8.7795	0.5373	−8.0488
2745	Cancri	7½	8 3 36,53	+3,445	−0,0119	+0,005	−8.5565	+8.7794	+0.5372	−8.0486

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2701	130 53 33,0	+ 9,84	+0,262	.....	−9.9535	−9.5070	+0.9932	+9.9401	....	....	v. 967	....	1872	
2702	134 14 57,9	9,85	0,246	−0,07	−9.9632	−9.5348	0.9933	9.9401	....	....	v. 968	3130	1873	
2703	67 7 0,4	9,85	0,453	+0,08	−8.7860	+9.2811	0.9936	9.9400	1158	299	iii. 992			
2704	31 19 4,4	9,85	0,633	.....	+9.7148	+9.6230	0.9936	9.9400	....	....	.....	....	....	G 1407
2705	144 5 55,3	9,86	0,186	−0,16	−9.9823	−9.6000	0.9937	9.9400	....	....	v. 969	3139	1875	
2706	107 14 43,1	9,86	0,344	.....	−9.8278	−9.1636	0.9938	9.9399	....	....	.....	....	....	B.F 1136
2707	21 5 30,9	9,86	0,773	.....	+9.8170	+9.6616	0.9939	9.9399	1148	....	ii. 988	....	....	P 363
2708	109 18 20,7	9,88	0,338	−0,05	−9.8434	−9.2118	0.9947	9.9397	1163	303	iii. 994			
2709	145 2 21,9	9,88	0,179	+0,33	−9.9831	−9.6061	0.9947	9.9396	....	....	.....	3144	1877	
2710	129 35 0,9	9,90	0,268	+0,06	−9.9487	−9.4977	0.9956	9.9394	....	306	ii. 990	3136	1876	J 189
2711	144 15 2,1	9,91	0,185	+1,08	−9.9819	−9.6030	0.9958	9.9393	....	....	v. 972	3145	1881	
2712	122 15 10,8	9,91	0,296	0,00	−9.9196	−9.4210	0.9960	9.9392	....	305	iii. 995	3131	1878	
2713	153 9 7,8	9,91	0,098	−0,07	−9.9875	−9.6443	0.9960	9.9392	....	....	.....	3154	1883	
2714	67 59 7,9	9,95	0,448	+0,02	−8.8854	+9.2693	0.9977	9.9387	1161	304	ii. 991	....	....	M 321
2715	47 8 3,6	9,96	0,525	.....	+9.4352	+9.5286	0.9981	9.9386	1159	....	.....	....	....	G 1411
2716	139 4 35,5	9,97	0,219	−0,24	−9.9731	−9.5745	0.9985	9.9384	....	....	v. 975	3148	1885	
2717	123 10 0,3	9,97	0,293	+0,03	−9.9232	−9.4347	0.9988	9.9383	....	....	v. 976	3141	1884	
2718	62 5 15,7	10,00	0,466	+0,04	+8.3483	+9.3682	1.0000	9.9379	1162	307	iii. 996			
2719	123 8 34,4	10,03	0,292	+0,15	−9.9227	−9.4366	1.0011	9.9376	....	....	v. 978	3146	1887	
2720	75 55 37,8	10,05	0,424	+0,05	−9.3233	+9.0859	1.0022	9.9372	1165	310	ii. 993			
2721	140 10 25,1	10,07	0,212	+1,96	−9.9741	−9.5861	1.0029	9.9369	....	....	v. 979	3156	1888	
2722	13 47 41,4	10,07	0,981	.....	+9.8671	+9.6881	1.0030	9.9369	1147	....	.....	....	....	G 1408
2723	110 7 24,8	10,08	0,334	.....	−9.8481	−9.2378	1.0034	9.9368	....	....	.....	....	....	B.F 1143
2724	136 33 6,8	10,08	0,233	−0,06	−9.9666	−9.5623	1.0035	9.9367	....	....	v. 981	3159	1890	
2725	92 32 59,0	10,11	+0,380	−0,04	−9.6739	−8.3506	1.0046	9.9364	1168	316	ii. 994			
2726	162 49 27,3	10,11	−0,084	−0,20	−9.9793	−9.6827	1.0047	9.9364	....	....	.....	3188	1900	
2727	63 43 6,0	10,11	+0,459	+0,03	−7.8261	+9.3489	1.0049	9.9363	1166	312	iii. 998	....	....	M 322
2728	113 52 31,4	10,12	0,322	−0,08	−9.8729	−9.3099	1.0050	9.9363	1170	320	ii. 995	3153	1892	J 190
2729	142 40 43,6	10,12	0,196	−0,18	−9.9776	−9.6033	1.0050	9.9362	....	....	v. 985	3162	1896	
2730	64 2 28,9	10,13	0,457	+0,34	−8.0969	+9.3448	1.0058	9.9360	1167	314	iii. 1000	....	....	M 323
2731	72 32 50,1	10,14	0,432	+0,06	−9.1909	+9.1807	1.0059	9.9359	....	317	iii. 1001	....	....	M 324
2732	33 6 12,4	10,17	0,608	−0,02	+9.6858	+9.6281	1.0072	9.9355	....	311	iii. 1002	....	....	B.F 1132
2733	134 50 13,1	10,17	0,242	+0,16	−9.9616	−9.5533	1.0073	9.9355	....	....	v. 987	3163	1898	
2734	57 4 35,5	10,20	0,479	+0,67	+9.0158	+9.4414	1.0084	9.9351	....	321	iii. 1003	....	....	A 167
2735	124 46 40,6	10,20	0,285	+0,12	−9.9281	−9.4627	1.0088	9.9350	....	....	v. 988	3161	1901	
2736	108 48 30,7	10,20	0,336	−0,03	−9.8378	−9.2150	1.0088	9.9350	1174	1	ii. 996	....	....	A 168
2737	74 55 51,4	10,22	0,424	.....	−9.2907	+9.1222	1.0095	9.9347	....	....	.....	....	....	B.F 1146
2738	152 24 25,4	10,22	0,109	−0,08	−9.9839	−9.6548	1.0095	9.9347	....	....	.....	3178	1906	
2739	105 48 40,1	10,23	0,344	.....	−9.8142	−9.1428	1.0097	9.9346	....	....	.....	....	....	B.F 1154
2740	79 44 20,6	10,26	0,411	+0,10	−9.4378	+8.9597	1.0112	9.9341	....	3	iii. 1005	....	....	B.F 1149
2741	29 10 18,9	10,27	0,643	0,00	+9.7313	+9.6503	1.0114	9.9340	1164	319	iii. 1004			
2742	138 34 29,4	10,28	0,222	.....	−9.9690	−9.5845	1.0118	9.9339	....	....	v. 990	....	1908	
2743	125 1 11,2	10,29	0,284	+0,10	−9.9283	−9.4691	1.0125	9.9336	....	....	v. 991	3169	1902	
2744	71 54 14,5	10,30	0,431	+0,11	−9.1644	+9.2028	1.0128	9.9335	1175	5	ii. 998	....	....	M 326
2745	71 54 32,2	+10,30	+0,431	+0,33	−9.1647	+9.2027	+1.0128	+9.9335	....	6	iv. 581	....	....	M 327

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2746	18 Puppis	6	8 3 42,65	+2,798	−0,0028	−0,013	−8.5468	+8.7692	+0.4469	+7.9105
2747	15 Cancri	6	3 50,45	3,735	−0,0185	+0,004	8.5982	8.8201	0.5723	−8.2985
2748*	Cancri	7	3 58,19	3,366	−0,0104	.....	8.5496	8.7710	0.5271	−7.9467
2749*	Camelopardi.....	6	4 1,71	6,787	−0,1764	+0,002	9.0666	9.2877	0.8317	−9.0468
2750	19 Puppis	6	4 14,05	2,817	−0,0029	0,000	8.5469	8.7671	0.4498	+7.8817
2751*	Lyncis	6½	4 31,66	5,025	−0,0656	+0,003	8.8338	9.0527	0.7011	−8.7697
2752	Velorum	6	4 40,96	1,789	−0,0029	+0,002	8.7145	8.9328	0.2527	+8.5872
2753	Puppis .....K	6	4 43,00	2,033	−0,0012	+0,011	8.6683	8.8865	0.3082	+8.4955
2754	Velorum	5	4 52,10	1,849	−0,0023	.....	8.7039	8.9214	0.2668	+8.5674
2755	Argûs .....γ	2	4 54,50	1,849	−0,0023	−0,009	8.7040	8.9213	0.2669	+8.5674
2756*	Velorum	6	5 9,84	1,824	−0,0025	+0,005	8.7097	8.9259	0.2610	+8.5773
2757	29 Lyncis	5½	5 20,43	5,051	−0,0674	+0,002	8.8413	9.0568	0.7033	−8.7789
2758	Puppis	5½	5 29,43	2,215	−0,0006	+0,009	8.6372	8.8521	0.3454	+8.4152
2759*	Cancri	7	5 35,45	3,444	−0,0121	−0,005	8.5628	8.7773	0.5371	−8.0557
2760*	Velorum	6	5 55,74	1,768	−0,0030	+0,020	8.7231	8.9360	0.2476	+8.5995
2761*	Cancri	7	6 0,32	3,344	−0,0102	.....;	8.5542	8.7668	0.5243	−7.9224
2762	Puppis ..... h^1	5½	6 0,52	2,142	−0,0007	+0,015	8.6526	8.8652	0.3308	+8.4531
2763*	Velorum	6	6 1,60	1,772	−0,0030	.....	8.7227	8.9353	0.2485	+8.5986
2764	Carinæ	5½	6 3,56	1,403	−0,0078	−0,008	8.7907	9.0031	0.1471	+8.7074
2765	57 Camelopardi.....	6	6 11,35	5,303	−0,0810	+0,005	8.8850	9.0969	0.7246	−8.8347
2766*	Monocerotis....	neb.	6 18	2,964	−0,0044	.....	8.5448	8.7562	0.4719	+7.5131
2767	Puppis	5½	6 22,51	2,026	−0,0012	+0,020	8.6758	8.8869	0.3066	+8.5058
2768	Carinæ .....D^3	6	6 25,46	0,802	−0,0207	−0,070	8.8915	9.1024	9.9041	+8.8427
2769	20 Puppis	5	6 26,41	2,758	−0,0023	+0,003	8.5591	8.7699	0.4406	+7.9816
2770	Carinæ ..... B	5½	6 30,39	1,030	−0,0151	−0,035	8.8559	9.0664	0.0127	+8.7971
2771*	Velorum	6	6 39,74	1,806	−0,0028	−0,011	8.7187	8.9285	0.2567	+8.5898
2772	Puppis	6	6 53,51	2,228	−0,0006	−0,001	8.6398	8.8487	0.3479	+8.4146
2773	Volantis ..... ε	5	7 25,99	0,235	−0,0392	+0,016	8.9762	9.1828	9.3705	+8.9439
2774	Puppis ..... r	5	7 50,06	2,263	−0,0005	+0,005	8.6367	8.8416	0.3547	+8.4001
2775	Puppis	6	8 15,58	2,371	−0,0005	+0,011	8.6190	8.8221	0.3750	+8.3394
2776	30 Lyncis	5	8 17,14	4,898	−0,0619	+0,009	8.8273	9.0303	0.6900	−8.7567
2777	Puppis	6	8 20,22	2,252	−0,0005	−0,011	8.6405	8.8433	0.3525	+8.4083
2778	17 Cancri .....β	4	8 22,72	3,263	−0,0089	0,000	8.5555	8.7581	0.5136	−7.7795
2779	Carinæ	6	8 43,65	1,530	−0,0059	−0,030	8.7780	8.9791	0.1848	+8.6842
2780	Puppis ..... h^2	6	8 43,65	2,125	−0,0008	+0,015	8.6654	8.8665	0.3273	+8.4725
2781	Velorum	6	9 2,00	1,895	−0,0020	.....	8.7105	8.9103	0.2775	+8.5683
2782	Cancri	6½	9 23,94	3,256	−0,0088	−0,005	8.5581	8.7564	0.5127	−7.7677
2783	Velorum	6	9 35,11	1,927	−0,0017	+0,004	8.7063	8.9039	0.2848	+8.5586
2784*	Ursæ Majoris	6	10 4,81	5,113	−0,0736	−0,007	8.8702	9.0656	0.7087	−8.8124
2785	21 Puppis	6	10 30,46	2,752	−0,0023	+0,002	8.5724	8.7661	0.4396	+8.0081
2786	18 Cancri .....χ	6	10 56,76	3,661	−0,0176	+0,005	8.6098	8.8017	0.5636	−8.2771
2787*	Ursæ Minoris	6	11 22,65	17,565	−2,1875	.....	9.6702	9.8603	1.2447	−9.6689
2788	Cancri	6½	11 35,85	3,506	−0,0140	+0,017	8.5893	8.7785	0.5449	−8.1479
2789	19 Cancri .....λ	6	11 36,55	3,582	−0,0158	0,000	8.5998	8.7889	0.5541	−8.2174
2790	Puppis	6	8 11 52,34	+2,435	−0,0005	.....	−8.6201	+8.8081	+0.3865	+8.3130

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2746	103 21 38,9	+10,31	+0,350	−0,11	−9.7927	−9.0747	+1.0132	+9.9334	1176	9	ii.1000	....	....	A 169
2747	59 53 57,0	10,32	0,467	+0,06	+8.7380	+9.4116	1.0136	9.9333	1173	4	ii. 999	....	....	M 325
2748	75 33 8,0	10,33	0,421	.....	−9.3145	+9.1088	1.0140	9.9331	....	....	.....	....	....	B.F 1152
2749	17 8 6,8	10,33	0,848	.....	+9.8396	+9.6922	1.0142	9.9330	1160	....	.....	....	....	G 1419
2750	102 29 6,7	10,35	0,352	−0,01	−9.7846	−9.0474	1.0148	9.9328	1177	11	ii.1001			
2751	30 21 31,0	10,37	0,627	+0,01	+9.7154	+9.6495	1.0157	9.9325	1169	....	.....	....	....	B.F 1139
2752	138 14 40,8	10,38	0,223	+0,16	−9.9672	−9.5867	1.0162	9.9323	....	....	v. 994	3181	1913	
2753	132 12 3,0	10,38	0,254	+0,04	−9.9524	−9.5413	1.0163	9.9323	....	16	iii.1007	3179	1914	
2754	136 54 17,1	10,39	0,231	.....	−9.9643	−9.5780	1.0168	9.9321	....	....	ii.1002	....	1916	J 191,R100
2755	136 53 47,9	10,40	0,231	+0,06	−9.9642	−9.5781	1.0169	9.9320	....	....	v. 997	3185	1917	J 192,R101
2756	137 29 52,7	10,42	0,227	+0,22	−9.9653	−9.5831	1.0177	9.9317	....	....	v.1000	3187	1920	
2757	29 58 34,3	10,43	0,629	+0,06	+9.7186	+9.6537	1.0183	9.9315	1171	7	iii.1006			
2758	126 50 56,4	10,44	0,276	+0,05	−9.9341	−9.4945	1.0187	9.9314	....	17	iii.1010	3183	1922	
2759	71 52 34,4	10,45	0,429	+0,02	−9.1670	+9.2097	1.0190	9.9312	....	14	ii.1004	....	....	B.F 1157
2760	138 47 42,4	10,47	0,220	+0,20	−9.9673	−9.5943	1.0201	9.9309	....	....	v.1003	3195	1926	
2761	76 30 2,2	10,48	0,416	.....	−9.3483	+9.0863	1.0203	9.9308	....	....	.....	....	....	B.F 1161
2762	129 10 28,2	10,48	0,266	+0,08	−9.9420	−9.5186	1.0203	9.9308	....	21	iii.1011	3191	1925	
2763	138 43 10,5	10,48	0,220	.....	−9.9671	−9.5941	1.0204	9.9307	....	....	v.1004	....	1927	
2764	145 38 46,8	10,48	0,174	+0,40	−9.9771	−9.6350	1.0205	9.9307	....	....	v.1005	3208	1928	
2765	27 2 9,5	10,49	0,659	0,00	+9.7496	+9.6684	1.0209	9.9306	1172	10	iii.1009			
2766	95 20	10,50	0,368	.....	−9.7087	−8.6873	1.0212	9.9304	....	....	.....	....	....	A
2767	132 32 27,1	10,51	0,252	−0,07	−9.9521	−9.5493	1.0215	9.9303	....	22	ii.1006	3197	1929	
2768	153 20 56,3	10,51	0,100	−1,53	−9.9804	−9.6706	1.0216	9.9303	....	....	.....	3224	1935	
2769	105 20 24,2	10,51	0,343	+0,03	−9.8088	−9.1419	1.0217	9.9303	1179	18	ii.1005	....	....	J 193
2770	150 50 51,5	10,52	0,128	+0,13	−9.9800	−9.6608	1.0219	9.9302	....	....	v.1007	3222	1934	
2771	138 0 57,5	10,53	0,224	+0,14	−9.9652	−9.5913	1.0224	9.9300	....	....	v.1008	3205	1931	
2772	126 32 27,5	10,55	0,276	−0,24	−9.9321	−9.4956	1.0231	9.9297	....	....	v.1009	3199	1933	
2773	158 10 37,9	10,59	0,029	+0,03	−9.9776	−9.6902	1.0247	9.9291	....	....	ii.1009	3242	1940	J 194
2774	125 26 59,1	10,62	0,280	+0,09	−9.9272	−9.4871	1.0259	9.9286	....	31	v.1012	3212	1938	
2775	121 41 16,8	10,65	0,293	−0,06	−9.9109	−9.4454	1.0272	9.9281	....	32	iii.1015	3217	1939	
2776	31 47 43,9	10,65	0,605	−0,02	+9.6916	+9.6545	1.0273	9.9281	1178	19	iii.1014	....	....	G 1426
2777	125 52 15,9	10,65	0,278	+0,09	−9.9285	−9.4931	1.0275	9.9280	....	....	v.1013	3219	1941	
2778	80 21 22,2	10,66	0,403	+0,06	−9.4562	+8.9494	1.0276	9.9280	1180	28	ii.1008	....	....	M 330
2779	143 41 49,5	10,68	0,189	+0,12	−9.9727	−9.6327	1.0286	9.9276	....	....	v.1015	3233	1944	
2780	129 53 34,4	10,68	0,262	+0,16	−9.9424	−9.5335	1.0286	9.9276	....	35	iii.1016	3223	1943	
2781	136 7 32,5	10,70	0,234	.....	−9.9592	−9.5852	1.0296	9.9272	....	....	v.1016	....	1945	
2782	80 40 28,9	10,73	0,401	+0,08	−9.4643	+8.9380	1.0306	9.9268	....	33	iii.1017	....	....	M 331
2783	135 22 47,1	10,75	0,237	−0,01	−9.9570	−9.5813	1.0312	9.9265	....	38	iii.1019	3237	1948	
2784	28 53 59,8	10,78	0,629	0,00	+9.7230	+9.6727	1.0327	9.9259	....	30	iii.1018	....	....	B.F 1159
2785	105 49 25,9	10,81	0,338	−0,01	−9.8110	−9.1674	1.0339	9.9254	1184	39	iv. 592			
2786	62 18 1,7	10,85	0,449	+0,37	+7.8325	+9.4003	1.0352	9.9249	1181	37	ii.1011	....	....	M 332
2787	4 25 53,5	10,88	2,152	.....	+9.9053	+9.7330	1.0365	9.9244	....	....	.....	....	....	G 1418
2788	68 46 55,2	10,89	0,429	−0,02	−9.0026	+9.2935	1.0372	9.9241	....	42	ii.1013	....	....	B.F 1166
2789	65 30 34,1	10,89	0,439	+0,04	−8.6703	+9.3525	1.0372	9.9241	1182	41	ii.1012	....	....	M 333
2790	119 32 24,7	+10,91	+0,298	.....	−9.8982	−9.4286	+1.0380	+9.9238	....	....	v.1028	....	1962	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2791	Hydræ	6	8 11 56,71	+3,157	−0,0073	+0,009	−8.5612	+8.7489	+0.4993	−7.4475
2792	Lyncis	5	12 25,06	4,595	−0,0502	−0,003	8.7889	8.9746	0.6623	−8.6952
2793	31 Lyncis	5	12 32,99	4,139	−0,0324	+0,002	8.7023	8.8875	0.6169	−8.5414
2794	Puppis	6	12 33,25	2,292	−0,0003	.....	8.6473	8.8325	0.3602	+8.4039
2795	Puppis ..... *q*	5	12 56,69	2,252	−0,0004	−0,008	8.6559	8.8395	0.3526	+8.4272
2796	Carinæ C	5½	13 0,12	0,927	−0,0184	+0,029	8.8978	9.0812	9.9671	+8.8456
2797	Velorum	6	14 28,88	1,846	−0,0023	+0,003	8.7394	8.9166	0.2662	+8.6086
2798	Lyncis	6	14 32,24	4,090	−0,0312	.....	8.6996	8.8766	0.6117	−8.5291
2799	20 Cancri ..... d^1	6	14 46,21	3,450	−0,0130	0,000	8.5918	8.7679	0.5378	−8.1003
2800*	Carinæ	6	14 51,58	1,242	−0,0112	+0,003	8.8526	9.0283	0.0940	+8.7843
2801	Cancri	8½	15 18,68	3,635	−0,0176	.....	8.6194	8.7933	0.5605	−8.2757
2802	Puppis ..... *w*	5	15 29,23	2,361	−0,0003	+0,016	8.6444	8.8175	0.3731	+8.3756
2803	Ursæ Majoris	6	15 33,05	5,788	−0,1189	+0,003	8.9926	9.1655	0.7625	−8.9591
2804	Velorum	6	15 33,40	2,007	−0,0011	−0,034	8.7117	8.8845	0.3026	+8.5517
2805	Puppis	6	15 41,14	2,264	−0,0003	−0,002	8.6627	8.8350	0.3549	+8.4320
2806	21 Cancri	7	15 42,75	3,289	−0,0098	+0,002	8.5789	8.7511	0.5170	−7.8638
2807	22 Puppis	6	15 43,82	2,823	−0,0029	0,000	8.5813	8.7534	0.4507	+7.9191
2808	Velorum	6	15 46,66	1,678	−0,0041	−0,004	8.7764	8.9484	0.2247	+8.6698
2809	Puppis	6	15 59,40	2,168	−0,0004	+0,026	8.6819	8.8529	0.3361	+8.4821
2810*	Cancri	7	16 13,15	3,423	−0,0125	+0,007	8.5931	8.7632	0.5345	−8.0752
2811	Puppis	6	16 29,55	2,534	−0,0008	−0,001	8.6187	8.7877	0.4038	+8.2586
2812	Volantis	6	16 37,93	0,683	−0,0262	+0,016	8.9496	9.1180	9.8344	+8.9073
2813*	Velorum	6	16 50,70	1,668	−0,0042	+0,008	8.7821	8.9497	0.2222	+8.6772
2814	1 Hydræ	6	17 6,40	3,008	−0,0052	−0,008	8.5753	8.7418	0.4782	+7.3312
2815	22 Cancri ..... φ^1	6½	17 19,77	3,667	−0,0187	−0,001	8.6308	8.7964	0.5643	−8.3079
2816	25 Cancri ..... d^2	6	17 20,09	3,420	−0,0126	−0,011	8.5959	8.7614	0.5340	−8.0749
2817	23 Cancri ..... φ^2	6	17 42,11	3,643	−0,0181	−0,002	8.6280	8.7921	0.5614	−8.2912
2818	24 Cancri ..... v^1	7	17 44,07	3,585	−0,0166	0,000	8.6191	8.7830	0.5545	−8.2454
2819	1 Ursæ Majoris .. o	4	17 45,60	5,078	−0,0770	−0,012	8.8938	9.0576	0.7057	−8.8365
2820	Puppis	6	17 45,96	2,215	−0,0003	+0,022	8.6787	8.8425	0.3454	+8.4662
2821	Carinæ	6	17 51,65	1,341	−0,0094	−0,010	8.8464	9.0098	0.1274	+8.7724
2822	Cancri	6	17 51,81	3,227	−0,0087	−0,002	8.5810	8.7444	0.5087	−7.7272
2823	Velorum .....B	5	17 55,20	1,846	−0,0023	−0,008	8.7514	8.9146	0.2663	+8.6226
2824*	Ursæ Majoris	6	17 57,81	6,068	−0,1419	−0,013	9.0391	9.2021	0.7831	−9.0116
2825	Hydræ	5½	18 10,06	3,005	−0,0051	+0,001	8.5783	8.7405	0.4778	+7.3539
2826	27 Cancri	6½	18 26,00	3,328	−0,0107	+0,002	8.5898	8.7509	0.5221	−7.9466
2827	Puppis	6	18 35,62	2,591	−0,0010	+0,019	8.6165	8.7769	0.4135	+8.2183
2828*	Puppis	6	18 38,48	2,591	−0,0010	+0,003	8.6166	8.7769	0.4135	+8.2184
2829*	Velorum	6½	18 43,42	1,681	−0,0040	+0,006	8.7862	8.9462	0.2257	+8.6806
2830	Camelopardi.....	6	18 45,78	11,719	−0,8928	.....	9.4785	9.6382	1.0689	−9.4750
2831	2 Hydræ	6	18 57,41	3,003	−0,0051	−0,002	8.5805	8.7395	0.4776	+7.3658
2832	Argûs ..... *s*	2	19 25,89	1,243	−0,0115	−0,002	8.8695	9.0265	0.0944	+8.8027
2833	28 Cancri ..... v^2	6½	19 42,74	3,573	−0,0165	0,000	8.6232	8.7791	0.5531	−8.2432
2834	Puppis	6	19 46,45	+2,074	−0,0007	+0,003	8.7128	8.8684	+0.3168	+8.5406
2835	Volantis	6	8 20 12,30	−0,114	−0,0598	+0,022	−9.0712	+9.2251	−9.0584	+9.0470

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2791	85 35 6,3	+10,92	+0,386	+0,09	−9.5660	+8.6223	+1.0382	+9.9237	....	44	iii.1021			
2792	36 18 6,8	10,95	0,561	+0,04	+9.6214	+9.6436	1.0396	9.9231	....	40	iii.1022	....	....	G 1429
2793	46 20 6,7	10,96	0,506	+0,10	+9.4219	+9.5768	1.0399	9.9229	1183	43	ii.1014			
2794	124 49 10,4	10,96	0,280	.....	−9.9214	−9.4944	1.0399	9.9229	....	....	v.1032	....	1966	
2795	126 11 51,3	10,99	0,275	0,00	−9.9265	−9.5101	1.0411	9.9224	....	47	ii.1015	3259	1968	J 195
2796	152 27 10,4	11,00	0,113	−0,14	−9.9741	−9.6868	1.0412	9.9224	....	....	.....	3275	1971	R 102
2797	137 43 42,3	11,10	0,224	+0,04	−9.9581	−9.6125	1.0455	9.9205	....	....	v.1040	3276	1977	
2798	47 31 0,2	11,11	0,497	.....	+9.3844	+9.5730	1.0457	9.9204	....	....	.....	....	....	G 1433
2799	71 11 22,5	11,13	0,419	0,00	−9.1538	+9.2525	1.0463	9.9201	1185	50	ii.1016	....	....	M 334
2800	148 41 47,3	11,13	0,151	−0,10	−9.9714	−9.6760	1.0466	9.9200	....	....	v.1041	3289	1978	
2801	63 3 18,2	11,17	0,440	.....	−8.0170	+9.4019	1.0478	9.9195	....	....	.....	....	....	A 172
2802	122 34 50,1	11,18	0,286	+0,08	−9.9100	−9.4773	1.0483	9.9192	....	56	iii.1025	3277	1979	
2803	22 12 57,4	11,18	0,701	−0,04	+9.7813	+9.7128	1.0485	9.9192	....	46	iii.1024	....	....	G 1432
2804	133 46 50,5	11,18	0,243	−0,19	−9.9483	−9.5864	1.0485	9.9191	....	....	v.1044	3284	1982	
2805	126 0 33,3	11,19	0,274	−0,06	−9.9237	−9.5160	1.0489	9.9190	....	....	v.1045	3281	1983	
2806	78 53 14,9	11,19	0,398	0,00	−9.4247	+9.0317	1.0490	9.9189	1187	53	ii.1017			
2807	102 34 29,0	11,20	0,342	−0,01	−9.7812	−9.0847	1.0490	9.9189	1189	55	ii.1018			
2808	141 28 17,9	11,20	0,203	+0,02	−9.9635	−9.6403	1.0492	9.9189	....	....	v.1047	3291	1985	
2809	129 8 53,9	11,21	0,262	+0,70	−9.9345	−9.5478	1.0498	9.9186	....	....	v.1048	3287	1984	
2810	72 19 56,2	11,23	0,414	+0,15	−9.2098	+9.2303	1.0504	9.9183	1188	54	iii.1026			
2811	115 52 17,9	11,25	0,306	+0,10	−9.8760	−9.3888	1.0512	9.9179	....	60	ii.1019	3283	1988	W 489
2812	155 8 21,8	11,26	0,082	−0,44	−9.9700	−9.7071	1.0516	9.9178	....	....	.....	3313	1998	R 103
2813	141 45 13,4	11,28	0,201	+0,03	−9.9629	−9.6450	1.0522	9.9175	....	....	v.1055	3301	1994	
2814	93 16 5,4	11,30	0,362	+0,03	−9.6816	−8.5066	1.0529	9.9172	1194	63	ii.1021			
2815	61 36 57,5	11,31	0,442	+0,10	+8.0334	+9.4283	1.0535	9.9169	1190	59	ii.1022	....	....	M 335
2816	72 27 47,0	11,31	0,412	+0,14	−9.2175	+9.2303	1.0535	9.9169	1192	62	ii.1023	....	....	M 336
2817	62 34 45,2	11,34	0,438	+0,01	−7.7243	+9.4156	1.0545	9.9164	1191	64	ii.1024	....	....	M 337
2818	64 58 42,5	11,34	0,431	+0,18	−8.6464	+9.3787	1.0546	9.9163	1193	65 66	iv. 596	....	....	M 338
2819	28 47 9,0	11,34	0,611	+0,12	+9.7108	+9.6952	1.0547	9.9163	1186	....	ii.1020			
2820	127 48 25,1	11,34	0,266	+0,16	−9.9286	−9.5399	1.0547	9.9163	....	....	.....	3300	2002	
2821	147 29 38,0	11,35	0,161	−0,29	−9.9678	−9.6787	1.0550	9.9162	....	....	v.1062	3315	2005	
2822	81 57 3,5	11,35	0,388	+0,04	−9.4973	+8.8990	1.0550	9.9162	....	67	ii.1026	....	....	B.H 309
2823	138 0 40,5	11,35	0,222	−0,05	−9.9557	−9.6241	1.0551	9.9161	....	....	.....	3308	2003	
2824	20 11 0,4	11,36	0,730	.....	+9.7951	+9.7255	1.0553	9.9160	....	52	iii.1027	....	....	G 1435
2825	93 25 9,5	11,37	0,361	−0,02	−9.6833	−8.5292	1.0558	9.9158	1197	69	ii.1027	....	....	B.F 1180
2826	76 51 15,8	11,39	0,399	+0,12	−9.3718	+9.1112	1.0565	9.9154	1196	68	ii.1028			
2827	113 33 42,6	11,40	0,311	−0,06	−9.8614	−9.3565	1.0570	9.9152	....	72	ii.1029	3304	....	W 497
2828	113 33 43,4	11,41	0,311	+0,03	−9.8613	−9.3567	1.0571	9.9152	....	74	iv. 598			
2829	141 38 34,3	11,41	0,202	−0,12	−9.9610	−9.6495	1.0573	9.9151	....	....	v.1067	3317	2011	
2830	7 14 37,9	11,41	1,405	.....	+9.8814	+9.7518	1.0575	9.9150	....	....	.....	....	....	G 1431
2831	93 29 50,6	11,43	0,360	+0,04	−9.6842	−8.5411	1.0580	9.9147	1199	73	ii.1030			
2832	149 1 40,3	11,46	0,149	−0,11	−9.9670	−9.6902	1.0593	9.9141	....	....	ii.1032	3327	2012	J196, R104
2833	65 21 41,9	11,48	0,427	+0,08	−8.7210	+9.3778	1.0600	9.9138	1198	76	ii.1031	....	....	M 339
2834	132 16 59,3	11,49	+0,248	−0,21	−9.9408	−9.5859	1.0602	9.9137	....	....	v.1068	3318	2013	
2835	161 2 5,7	+11,52	−0,014	−0,40	−9.9615	−9.7349	+1.0614	+9.9131	....	....	.....	3355	2018	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2836*	29 Cancri	6	8 20 14,87	+3,358	−0,0114	+0,002	−8.5976	+8.7514	+0.5260	−8.0021
2837	Volantis	6	20 24,62	−0,111	−0,0596	+0,058	9.0715	9.2246	−9.0434	+9.0472
2838	Velorum	6	20 37,36	+2,098	−0,0005	+0,012	8.7108	8.8631	+0.3218	+8.5335
2839	Puppis	6	20 39,73	2,472	−0,0004	−0,008	8.6413	8.7934	0.3930	+8.3231
2840*	Cancri	7	20 45,77	3,576	−0,0167	0,000	8.6267	8.7784	0.5535	−8.2500
2841	Cancri	7	20 48,68	3,620	−0,0179	−0,003	8.6336	8.7851	0.5587	−8.2860
2842	2 Ursæ Majoris .. A	5	21 6,20	5,482	−0,1041	−0,006	8.9703	9.1206	0.7390	−8.9298
2843	Puppis	6	21 12,74	2,410	−0,0002	−0,047	8.6535	8.8034	0.3821	+8.3676
2844	Lyncis	6	21 16,18	4,551	−0,0521	+0,002	8.8128	8.9624	0.6581	−8.7186
2845	Carinæ	6	21 22,61	1,514	−0,0064	−0,029	8.8275	8.9767	0.1801	+8.7408
2846	Puppis	6	21 31,93	2,547	−0,0006	+0,001	8.6316	8.7802	0.4061	+8.2678
2847*	Velorum	6	22 3,66	1,818	−0,0025	+0,015	8.7712	8.9176	0.2597	+8.6490
2848	Velorum	6	22 17,34	+1,663	−0,0043	.....	8.8024	8.9479	+0.2208	+8.7008
2849*	Chamæleontis .. α	4½	22 18,70	−1,439	−0,1458	+0,013	9.2188	9.3642	−0.1582	+9.2065
2850	30 Cancri ..... υ^3	6	22 37,93	+3,568	−0,0167	−0,003	8.6308	8.7750	+0.5524	−8.2499
2851*	Velorum	6	22 49,51	1,671	−0,0042	.....	8.8028	8.9462	0.2229	+8.7005
2852	Ursæ Majoris	6	22 53,62	6,893	−0,2204	.....	9.1538	9.2970	0.8384	−9.1370
2853	31 Cancri ..... θ	5½	23 2,29	3,436	−0,0135	−0,001	8.6139	8.7565	0.5360	−8.1176
2854	Cancri..	6½	23 4,55	3,455	−0,0138	−0,002	8.6163	8.7588	0.5384	−8.1396
2855	Lyncis	6	23 9,39	+3,934	−0,0279	.....	8.6976	8.8397	+0.5949	−8.4920
2856	Volantis ..... η	5	23 22,60	−0,456	−0,0799	−0,024	9.1235	9.2647	−9.6586	+9.1039
2857	Velorum ..... F	6	23 31,85	+1,655	−0,0044	+0,069	8.8083	8.9489	+0.2187	+8.7082
2858*	Carinæ	6	23 35,63	1,551	−0,0059	+0,012	8.8283	8.9687	0.1907	+8.7391
2859	Velorum	6	23 38,68	2,093	−0,0004	+0,010	8.7217	8.8619	0.3207	+8.5480
2860*	32 Lyncis	6	23 43,68	3,885	−0,0264	−0,004	8.6897	8.8296	0.5894	−8.4686
2861	Velorum	6	24 1,09	2,039	−0,0007	−0,033	8.7338	8.8724	0.3093	+8.5728
2862	33 Cancri ..... η	6	24 1,74	3,485	−0,0147	+0,001	8.6229	8.7615	0.5422	−8.1762
2863	Volantis ..... β	5	24 5,41	0,683	−0,0277	−0,021	8.9779	9.1163	9.8342	+8.9374
2864	32 Cancri	7	24 7,59	3,565	−0,0168	−0,004	8.6348	8.7730	0.5521	−8.2540
2865	Velorum ..... A	6	24 20,40	1,894	−0,0017	+0,011	8.7638	8.9011	0.2775	+8.6309
2866	Velorum	6	24 24,05	2,019	−0,0008	−0,013	8.7389	8.8760	0.3052	+8.5824
2867*	34 Cancri	6½	24 29,95	3,272	−0,0099	+0,004	8.6019	8.7386	0.5148	−7.8654
2868	Monocerotis	6	24 46,77	2,698	−0,0015	+0,015	8.6197	8.7553	0.4310	+8.1340
2869	Velorum	6	24 52,37	+1,960	−0,0012	+0,015	8.7523	8.8876	+0.2923	+8.6080
2870	Chamæleontis .. θ	5	25 2,81	−1,598	−0,1623	−0,064	9.2437	9.3783	−0.2037	+9.2324
2871	33 Lyncis	6½	25 5,07	+3,881	−0,0265	+0,001	8.6932	8.8276	+0.5889	−8.4720
2872	Cancri	6½	25 26,15	3,334	−0,0113	−0,005	8.6095	8.7425	0.5230	−7.9860
2873	Velorum ..... G	6	25 29,38	1,605	−0,0051	−0,020	8.8248	8.9576	0.2053	+8.7311
2874*	Velorum	6	25 35,37	2,023	−0,0007	−0,018	8.7420	8.8744	0.3060	+8.5855
2875*	Carinæ	6	25 43,69	1,552	−0,0059	−0,038	8.8357	8.9675	0.1909	+8.7474
2876*	3 Ursæ Majoris	6	25 48,71	5,434	−0,1052	−0,004	8.9806	9.1122	0.7351	−8.9398
2877*	Puppis	6	25 52,72	+2,214	−0,0000	−0,013	8.7048	8.8361	+0.3451	+8.4995
2878*	Octantis	7	26 24,01	−35,870	−15,7402	.....	0.1592	0.2884	−1.5547	+0.1590
2879	Velorum	6	26 24,29	+1,905	−0,0016	−0,045	8.7685	8.8977	+0.2799	+8.6351
2880	35 Cancri	6½	8 26 41,75	+3,463	−0,0145	0,000	−8.6274	+8.7554	+0.5395	−8.1635

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a′	b′	c′	d′						
	° ′ ″	″	″	″										
2836	75 17 52,0	+11,52	+0,401	+0,07	−9.3263	+9.1637	+1.0615	+9.9130	1200	77	ii.1033			
2837	161 1 28,0	11,53	−0,013	−0,56	−9.9613	−9.7354	1.0619	9.9128	....	....	.....	3357	2022	
2838	131 39 49,3	11,55	+0,250	−0,10	−9.9384	−9.5829	1.0625	9.9125	....	82	iii.1033	3323	2017	
2839	118 43 31,1	11,55	0,295	+0,16	−9.8885	−9.4422	1.0626	9.9125	....	....	v.1070	3319	2016	
2840	65 9 41,2	11,56	0,426	+0,14	−8.7033	+9.3840	1.0629	9.9124	....	79	iii.1031	....	....	B.F 1183
2841	63 18 39,0	11,56	0,431	−0,02	−8.3160	+9.4132	1.0630	9.9123	....	80	iii.1032	....	....	M 340
2842	24 20 59,0	11,58	0,653	+0,08	+9.7520	+9.7211	1.0638	9.9119	1195	75	iii.1030			
2843	121 10 38,0	11,59	0,287	−0,48	−9.8997	−9.4759	1.0641	9.9118	....	....	.....	3325	2019	
2844	36 22 53,8	11,59	0,542	0,00	+9.6015	+9.6679	1.0642	9.9117	....	78	iii.1034	....	....	G 1445
2845	144 59 9,1	11,60	0,180	+0,26	−9.9624	−9.6756	1.0645	9.9115	....	....	v.1075	3343	2027	
2846	115 38 18,1	11,61	0,303	−0,11	−9.8716	−9.3989	1.0649	9.9113	....	....	v.1073	3326	2024	
2847	139 0 26,0	11,65	0,216	+0,44	−9.9538	−9.6420	1.0663	9.9106	....	....	v.1080	3345	2031	
2848	142 18 55,1	11,67	+0,197	.....	−9.9586	−9.6631	1.0669	9.9103	....	....	v.1082	....	2034	
2849	166 26 38,7	11,67	−0,171	−0,08	−9.9506	−9.7525	1.0670	9.9103	....	....	ii.1036	3400	2048	J 197, R 105
2850	65 25 4,8	11,69	+0,423	+0,10	−8.7528	+9.3847	1.0679	9.9098	1201	84	ii.1034	....	....	M 342
2851	142 12 34,1	11,71	0,198	.....	−9.9579	−9.6639	1.0684	9.9096	....	....	v.1086	....	2039	
2852	15 51 10,0	11,71	0,816	.....	+9.8212	+9.7495	1.0685	9.9095	....	....	.....	....	....	G 1446
2853	71 24 7,4	11,72	0,407	+0,05	−9.1833	+9.2704	1.0689	9.9093	1203	85	ii.1035	....	....	M 343
2854	70 30 39,2	11,72	0,409	+0,04	−9.1411	+9.2901	1.0690	9.9092	....	86	iii.1036	....	....	M 344
2855	51 28 17,8	11,73	+0,465	.....	+9.2196	+9.5614	1.0692	9.9091	....	....	.....	....	....	G 1450
2856	162 54 53,2	11,74	−0,054	+0,06	−9.9554	−9.7480	1.0698	9.9088	....	....	ii.1039	3396	2055	J 198
2857	142 34 58,2	11,76	+0,196	−1,62	−9.9577	−9.6679	1.0702	9.9086	....	....	.....	3359	2047	
2858	144 31 5,2	11,76	0,183	−0,02	−9.9598	−9.6789	1.0704	9.9085	....	....	v.1094	3362	2049	
2859	132 5 20,7	11,76	0,247	−0,23	−9.9370	−9.5946	1.0705	9.9085	....	....	v.1093	3353	2046	
2860	53 3 33,7	11,77	0,459	+0,01	+9.1452	+9.5474	1.0707	9.9083	1204	87	iii.1037			
2861	133 39 27,0	11,79	0,241	−0,90	−9.9408	−9.6083	1.0715	9.9079	....	....	v.1096	3360	2051	
2862	69 3 8,7	11,79	0,411	+0,03	−9.0648	+9.3226	1.0715	9.9079	1207	88	ii.1037	....	....	M 346
2863	155 38 13,6	11,79	0,081	+0,21	−9.9618	−9.7290	1.0717	9.9078	....	....	ii.1040	3384	2057	J 199
2864	65 24 33,8	11,80	0,421	+0,07	−8.7642	+9.3888	1.0718	9.9078	1205	89	iii.1038	....	....	M 345
2865	137 25 51,2	11,81	0,223	+0,22	−9.9488	−9.6373	1.0723	9.9075	....	....	v.1098	3367	2056	
2866	134 13 28,8	11,82	0,238	−0,03	−9.9418	−9.6138	1.0725	9.9074	....	....	v.1099	3366	2054	
2867	79 25 46,7	11,82	0,386	+0,03	−9.4447	+9.0340	1.0727	9.9073	1209	91	ii.1038			
2868	109 4 26,9	11,84	0,318	+0,04	−9.8285	−9.2855	1.0735	9.9069	....	95	ii.1041	....	....	W 503
2869	135 49 54,4	11,85	+0,231	+0,05	−9.9450	−9.6272	1.0737	9.9068	....	99	iii.1040	3368	2058	
2870	166 59 53,1	11,86	−0,188	−0,05	−9.9461	−9.7607	1.0742	9.9065	....	....	ii.1043	3435	2073	J 200, R 106
2871	53 4 9,2	11,87	+0,456	+0,01	+9.1383	+9.5508	1.0743	9.9065	1208	92	iii.1039			
2872	76 13 58,6	11,89	0,392	−0,01	−9.3615	+9.1495	1.0752	9.9060	....	98	iii.1042	....	....	M 347
2873	143 42 38,6	11,89	0,188	+0,03	−9.9570	−9.6794	1.0753	9.9059	....	....	v.1106	3380	2065	
2874	134 13 27,9	11,90	0,238	−0,45	−9.9407	−9.6169	1.0756	9.9058	....	....	v.1104	3376	2063	
2875	144 41 24,0	11,91	0,182	+0,30	−9.9578	−9.6854	1.0759	9.9056	....	....	v.1107	3387	2067	
2876	24 28 3,3	11,92	0,637	−0,05	+9.7423	+9.7331	1.0761	9.9054	1202	90	iii.1041			
2877	128 33 37,2	11,92	+0,260	−0,03	−9.9246	−9.5688	1.0763	9.9054	....	....	v.1108	3375	2066	
2878	178 25 15,8	11,96	−4,200	.....	−9.9109	−9.7753	1.0776	9.9046	....	....	.....	....	2298	
2879	137 21 27,7	11,96	+0,223	−1,02	−9.9467	−9.6421	1.0776	9.9046	....	....	v.1112	3391	2072	
2880	69 53 58,8	+11,98	+0,405	+0,07	−9.1202	+9.3123	+1.0784	+9.9042	1210	101	iii.1044	....	....	M 348

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2881	Volantis	6	8 26 54,67	+0,190	−0,0483	+0,019	−9.0582	+9.1854	+9.2794	+9.0300
2882*	Ursæ Majoris	7	26 54,98	4,961	−0,0765	.....	8.9078	9.0349	0.6956	−8.8473
2883*	Mali	6	26 59,67	2,426	0,0000	−0,110	8.6679	8.7947	0.3849	+8.3800
2884	4 Ursæ Majoris .. π	5	27 2,78	5,352	−0,1008	+0,006	8.9725	9.0992	0.7285	−8.9293
2885	Mali	6	27 6,00	2,345	+0,0002	−0,056	8.6831	8.8096	0.3701	+8.4321
2886	Cancri	7½	27 6,92	3,466	−0,0146	−0,001	8.6289	8.7553	0.5399	−8.1689
2887	Lyncis	5½	27 8,59	4,540	−0,0543	.....	8.8312	8.9574	0.6571	−8.7387
2888	Cancri	7	27 42,69	3,374	−0,0123	+0,001	8.6194	8.7435	0.5281	−8.0552
2889	Hydræ	6	27 52,45	3,204	−0,0086	+0,003	8.6064	8.7298	0.5058	−7.7010
2890*	Puppis	6	28 4,67	2,226	+0,0001	−0,014	8.7091	8.8316	0.3476	+8.5017
2891	Velorum	6½	28 6,19	1,922	−0,0014	+0,016	8.7706	8.8931	0.2838	+8.6354
2892	Lyncis	6	28 8,93	4,499	−0,0528	−0,006	8.8266	8.9489	0.6531	−8.7303
2893	3 Hydræ	6½	28 9,12	2,931	−0,0041	+0,005	8.6075	8.7298	0.4670	+7.7214
2894*	Cancri	7	28 15,04	3,658	−0,0199	\.....	8.6614	8.7833	0.5632	−8.3444
2895	Volantis	7	28 15,52	0,601	−0,0315	−0,014	9.0057	9.1275	9.7790	+8.9685
2896	Lyncis	6½	28 56,29	3,770	−0,0236	+0,004	8.6837	8.8029	0.5764	−8.4236
2897	36 Cancri ..... c^1	6	28 57,41	3,262	−0,0099	−0,003	8.6127	8.7318	0.5134	−7.8597
2898	Mali	6	29 6,85	2,544	−0,0004	+0,001	8.6537	8.7722	0.4055	+8.3007
2899*	Cancri	7	29 10,09	3,453	−0,0144	−0,008	8.6327	8.7510	0.5382	−8.1623
2900	Puppis	6	29 42,01	2,197	+0,0002	−0,004	8.7199	8.8361	0.3418	+8.5230
2901	4 Hydræ ..... δ	4	29 42,77	3,186	−0,0084	−0,002	8.6102	8.7264	0.5033	−7.6453
2902	37 Cancri ..... c^2	7	29 57,57	3,260	−0,0099	0,000	8.6150	8.7302	0.5132	−7.8587
2903	Velorum	6	30 1,68	1,780	−0,0028	−0,019	8.8056	8.9206	0.2505	+8.6935
2904*	Velorum C	5½	30 8,49	1,832	−0,0021	−0,014	8.7955	8.9100	0.2630	+8.6761
2905	Lyncis	7	30 10,49	3,760	−0,0234	+0,002	8.6854	8.7997	0.5752	−8.4220
2906	Cancri	7½	30 29,27	3,460	−0,0147	+0,015	8.6371	8.7502	0.5391	−8.1753
2907	Cancri	8	30 32,31	3,458	−0,0146	+0,013	8.6370	8.7499	0.5389	−8.1735
2908	Lyncis	7½	30 34,47	3,765	−0,0237	+0,003	8.6874	8.8002	0.5757	−8.4265
2909	34 Lyncis	6	30 37,37	4,180	−0,0392	+0,002	8.7709	8.8835	0.6212	−8.6305
2910	Mali	6	30 40,33	2,557	−0,0004	+0,005	8.6560	8.7683	0.4077	+8.2962
2911	5 Hydræ ..... σ	5	30 55,07	3,142	−0,0076	+0,005	8.6116	8.7230	0.4972	−7.4403
2912	Lyncis	7	30 59,83	3,743	−0,0230	+0,003	8.6846	8.7957	0.5733	−8.4145
2913*	38 Cancri	7	31 5,19	3,462	−0,0148	−0,001	8.6389	8.7496	0.5393	−8.1792
2914*	Cancri	7	31 13,89	3,457	−0,0146	−0,005	8.6386	8.7488	0.5386	−8.1741
2915	Velorum .....E	5½	31 23,25	1,792	−0,0025	−0,011	8.8078	8.9174	0.2534	+8.6949
2916	Mali ..... g	6	31 27,79	2,562	−0,0004	+0,003	8.6573	8.7666	0.4086	+8.2950
2917	39 Cancri	6	31 28,42	3,466	−0,0149	−0,003	8.6405	8.7497	0.5398	−8.1855
2918	40 Cancri	6	31 33,51	3,465	−0,0149	−0,001	8.6406	8.7495	0.5397	−8.1848
2919*	Cancri	7	31 45,37	3,459	−0,0148	+0,004	8.6402	8.7484	0.5389	−8.1783
2920*	Carinæ ..... e^1	6	31 46,32	1,402	−0,0088	−0,017	8.8849	8.9930	0.1469	+8.8120
2921*	Carinæ ..... e^2	6	31 47,36	1,416	−0,0085	+0,003	8.8824	8.9904	0.1511	+8.8084
2922*	41 Cancri ..... ε	6½	31 50,33	3,456	−0,0147	−0,002	8.6401	8.7479	0.5386	−8.1756
2923	Puppis	6	31 51,20	2,067	−0,0002	.....	8.7530	8.8608	0.3153	+8.5916
2924*	42 Cancri	6½	32 6,17	3,459	−0,0148	+0,008	8.6412	8.7480	0.5390	−8.1803
2925*	Cancri	6½	8 32 19,80	+3,456	−0,0148	−0,001	−8.6414	+8.7473	+0.5386	−8.1776

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a′	b′	c′	d′						
	° ′ ″	″	″	″										
2881	159 35 35,9	+11,99	+0,022	−0,35	−9.9555	−9.7486	+1.0789	+9.9039	....	....	.....	3424	2078	
2882	29 32 28,0	11,99	0,580	.....	+9.6842	+9.7163	1.0790	9.9039	....	....	.....	....	....	B.F 1190
2883	121 1 24,4	12,00	0,284	−0,95	−9.8948	−9.4891	1.0791	9.9038	....	....	v.1114	3386	2076	
2884	25 9 16,3	12,00	0,625	−0,01	+9.7330	+9.7338	1.0793	9.9037	1206	96	ii.1042			
2885	124 7 12,6	12,01	0,274	−1,16	−9.9077	−9.5261	1.0794	9.9036	....	....	v.1115	3389	2077	
2886	69 42 59,5	12,01	0,405	+0,06	−9.1119	+9.3171	1.0795	9.9036	....	104	iii.1045	....	....	B.F 1196
2887	36 4 51,8	12,01	0,530	.....	+9.5930	+9.6848	1.0795	9.9036						
2888	74 10 16,2	12,05	0,393	+0,06	−9.2999	+9.2145	1.0810	9.9028	....	106	iii.1047	....	....	M 350
2889	82 51 32,3	12,06	0,373	+0,09	−9.5202	+8.8737	1.0814	9.9025	....	108	ii.1044	....	....	W 504
2890	128 20 18,2	12,08	0,259	+0,02	−9.9221	−9.5723	1.0819	9.9022	....	....	v.1118	3398	2081	
2891	137 5 43,9	12,08	0,224	−0,07	−9.9446	−9.6445	1.0819	9.9022	....	....	v.1120	3407	2084	
2892	36 46 3,6	12,08	0,524	−0,01	+9.5794	+9.6835	1.0821	9.9021	....	105	iii.1049			
2893	97 28 7,8	12,08	0,341	−0,03	−9.7276	−8.8938	1.0821	9.9021	1212	109	iii.1050			
2894	61 11 12,0	12,09	0,426	.....	+7.6435	+9.4631	1.0823	9.9020	....	....	.....	....	....	B.F 1197
2895	156 38 3,8	12,09	0,070	−0,05	−9.9565	−9.7430	1.0823	9.9020	....	....	.....	3432	2088	R 107
2896	56 40 43,6	12,14	0,438	+0,02	+8.8739	+9.5216	1.0840	9.9010	1211	110	iii.1051	....	....	B.F 1200
2897	79 49 32,9	12,14	0,379	0,00	−9.4571	+9.0290	1.0841	9.9010	1213	111	ii.1045	....	....	M 352
2898	116 19 56,3	12,15	0,295	+0,48	−9.8704	−9.4292	1.0845	9.9008	....	....	.....	3406	2090	
2899	70 12 52,3	12,15	0,401	0,00	−9.1430	+9.3119	1.0846	9.9007	....	112	iii.1052	....	....	B.F 1205?
2900	129 27 19,5	12,19	0,254	−0,45	−9.9242	−9.5868	1.0859	9.8999	....	....	v.1128	3418	2094	
2901	83 46 33,7	12,19	0,369	−0,02	−9.5382	+8.8188	1.0860	9.8999	1217	114	ii.1046			
2902	79 54 22,5	12,21	0,377	+0,06	−9.4597	+9.0280	1.0866	9.8995	1218	116	iii.1053	....	....	M 353
2903	140 34 43,2	12,21	0,206	−0,05	−9.9486	−9.6724	1.0867	9.8994	....	....	v.1130	3427	2097	
2904	139 25 44,3	12,22	0,212	+0,05	−9.9467	−9.6654	1.0870	9.8993	....	....	v.1131	3428	2099	R 108
2905	56 57 41,0	12,22	0,435	+0,05	+8.8357	+9.5214	1.0871	9.8992	1215	113	iii.1054	....	....	B.F 1204
2906	69 48 3,3	12,24	0,400	+0,08	−9.1265	+9.3238	1.0879	9.8988	....	118	iv. 604	....	....	A 176
2907	69 53 5,5	12,25	0,399	+0,07	−9.1310	+9.3222	1.0880	9.8987	....	119	iv. 606	....	....	A 177
2908	56 44 52,4	12,25	0,435	+0,07	+8.8531	+9.5249	1.0881	9.8986	1216	117	iv. 605	....	....	B.F 1206
2909	43 38 40,2	12,25	0,483	−0,06	+9.4368	+9.6455	1.0882	9.8986	1214	115	iii.1055	....	....	G 1465
2910	115 53 39,9	12,26	0,295	−0,05	−9.8669	−9.4263	1.0883	9.8985	....	125	iv. 607	3423	2100	
2911	86 8 6,9	12,27	0,362	+0,02	−9.5794	+8.6154	1.0889	9.8981	1221	123	ii.1047			
2912	57 31 52,5	12,28	0,432	+0,01	+8.7664	+9.5168	1.0891	9.8980	1219	120	iv. 608	....	....	B.F 1209
2913	69 41 51,4	12,28	0,399	+0,06	−9.1229	+9.3274	1.0893	9.8979	1220	122	iii.1056	....	....	M 354
2914	69 55 41,8	12,29	0,398	−0,20	−9.1348	+9.3230	1.0897	9.8977	....	124	ii.1049	....	....	B.F 1212?
2915	140 27 3,4	12,31	0,206	−0,15	−9.9470	−9.6750	1.0901	9.8974	....	....	v.1135	3443	2106	R 109
2916	115 43 58,8	12,31	0,295	+0,06	−9.8655	−9.4257	1.0903	9.8973	....	133	ii.1053	3431	2105	W 511
2917	69 28 1,0	12,31	0,399	+0,02	−9.1123	+9.3331	1.0903	9.8973	1222	126	ii.1050	....	....	M 356
2918	69 30 11,7	12,32	0,399	−0,02	−9.1146	+9.3325	1.0905	9.8972	1223	127	ii.1051	....	....	M 358
2919	69 48 16,2	12,33	0,398	+0,07	−9.1303	+9.3269	1.0910	9.8969	1224	129	iii.1057	....	....	B.F 1216
2920	147 42 17,8	12,33	0,161	−0,21	−9.9535	−9.7158	1.0910	9.8969	....	....	v.1139	3452	2113	
2921	147 29 29,5	12,33	0,163	+0,02	−9.9534	−9.7148	1.0911	9.8968	....	....	v.1140	3451	2112	
2922	69 55 46,5	12,34	0,397	+0,04	−9.1367	+9.3245	1.0912	9.8968	1225	130	ii.1054	....	....	M 360
2923	133 35 34,6	12,34	0,238	.....	−9.9334	−9.6275	1.0912	9.8968	....	....	v.1137	....	2108	
2924	69 45 15,5	12,35	0,397	+0,05	−9.1287	+9.3287	1.0918	9.8964	1226	132	iii.1058	....	....	M 361
2925	69 53 35,1	+12,37	+0,397	+0,05	−9.1364	+9.3264	+1.0924	+9.8960	1227	134	iii.1059	....	....	B.F 1219

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2926	Velorum.....*e*	5	8 32 22,28	+2,108	0,0000	−0,001	−8.7463	+8.8520	+0.3238	+8.5757
2927	Cancri	8	32 35,77	+3,474	−0,0152	+0,005	8.6446	8.7494	+0.5409	−8.1990
2928	Chamæleontis	5½	32 51,46	−3,149	−0,3399	−0,154	9.3938	9.4976	−0.4981	+9.3877
2929	6 Hydræ	5½	32 55,26	+2,848	−0,0030	−0,002	8.6250	8.7286	+0.4546	+7.9410
2930	Draconis	6	33 10,01	9,396	−0,5772	.....	9.4021	9.5047	0.9729	−9.3962
2931*	Cancri	7	33 12,71	3,461	−0,0150	−0,001	8.6443	8.7468	0.5392	−8.1867
2932	Mali .....*f*	5½	33 29,05	2,489	0,0000	+0,004	8.6751	8.7765	0.3960	+8.3611
2933	Mali	6	33 37,82	+2,307	+0,0005	−0,020	8.7097	8.8105	+0.3631	+8.4798
2934	Volantis	6	33 37,98	−0,323	−0,0790	.....	9.1474	9.2482	−9.5088	+9.1276
2935	Mali .....*b*	5	34 14,23	+2,345	+0,0005	+0,018	8.7041	8.8026	+0.3701	+8.4603
2936	Velorum	neb.	34 28,90	1,706	−0,0037	−0,019	8.8354	8.9329	0.2320	+8.7352
2937	43 Cancri .....*γ*	4½	34 35,95	3,493	−0,0160	−0,005	8.6523	8.7494	0.5432	−8.2260
2938*	44 Cancri	7½	34 36,32	3,424	−0,0141	−0,001	8.6430	8.7401	0.5345	−8.1486
2939	Carinæ	6	34 39,00	1,080	−0,0169	+0,009	8.9527	9.0496	0.0333	+8.8999
2940*	9 Hydræ	6	34 45,79	2,783	−0,0021	+0,006	8.6358	8.7322	0.4445	+8.0602
2941	Velorum	6	34 49,95	2,203	+0,0004	+0,039	8.7341	8.8303	0.3431	+8.5398
2942	45 Cancri .....A[1]	6	34 56,02	3,316	−0,0114	+0,001	8.6319	8.7277	0.5206	−7.9910
2943	Ursæ Majoris	6	35 9,69	5,556	−0,1232	−0,001	9.0335	9.1284	0.7448	−8.9983
2944	Velorum	6	35 10,96	1,692	−0,0039	−0,004	8.8405	8.9353	0.2285	+8.7423
2945	7 Hydræ .....*η*	5	35 23,02	3,142	−0,0077	+0,001	8.6224	8.7164	0.4972	−7.4587
2946	Velorum	6	35 28,41	2,042	−0,0003	−0,012	8.7695	8.8632	0.3100	+8.6164
2947	Velorum .....*b*	5	35 39,07	1,989	−0,0006	0,000	8.7811	8.8741	0.2986	+8.6389
2948	Velorum	6	35 40,95	1,714	−0,0035	−0,008	8.8378	8.9307	0.2340	+8.7374
2949	Carinæ ..,.....	6	35 47,23	1,089	−0,0167	+0,021	8.9552	9.0477	0.0369	+8.9024
2950	Argûs .....*o*	4	35 59,80	1,722	−0,0034	−0,005	8.8373	8.9289	0.2360	+8.7361
2951	Velorum	6	36 0,18	1,717	−0,0034	−0,013	8.8382	8.9298	0.2349	+8.7376
2952	46 Cancri .....*σ*[1]	6	36 8,70	3,701	−0,0224	+0,002	8.6911	8.7822	0.5683	−8.4060
2953	47 Cancri .....*δ*	4½	36 9,28	3,422	−0,0142	+0,003	8.6467	8.7377	0.5343	−8.1527
2954	Hydræ	6	36 18,03	2,949	−0,0043	−0,002	8.6265	8.7169	0.4696	+7.6932
2955	Velorum	6	36 18,60	1,966	−0,0008	+0,021	8.7880	8.8784	0.2936	+8.6506
2956	Velorum	6	36 20,14	1,902	- 0,0013	+0,006	8.8014	8.8917	0.2792	+8.6751
2957	Velorum	6	36 26,73	2,053	−0,0001	−0,008	8.7703	8.8602	0.3123	+8.6156
2958	49 Cancri .....*b*	6½	36 36,30	3,265	−0,0104	+0,001	8.6317	8.7210	0.5139	−7.8973
2959	Velorum	5½	36 51,50	2,039	−0,0002	+0,017	8.7744	8.8627	0.3095	+8.6229
2960*	Carinæ	6	37 4,13	1,476	−0,0075	+0,025	8.8893	8.9768	0.1691	+8.8130
2961	10 Hydræ	7	37 4,49	3,183	−0,0085	+0,003	8.6279	8.7153	0.5029	−7.6628
2962	Carinæ.....*d*	5	37 18,24	1,334	−0,0105	+0,010	8.9169	9.0034	0.1251	+8.8509
2963	Velorum	neb.	37 25,59	1,940	−0,0009	+0,021	8.7969	8.8831	0.2878	+8.6650
2964	Mali .....*a*	4½	37 34,03	2,409	+0,0005	+0,001	8.7011	8.7867	0.3818	+8.4331
2965	48 Cancri .....*i*	5	37 36,76	3,651	−0,0211	+0,003	8.6860	8.7714	0.5624	−8.3757
2966	Velorum	6	37 50,40	1,991	−0,0004	+0,012	8.7874	8.8719	0.2992	+8.6464
2967	Velorum	6	38 1,16	1,723	−0,0034	−0,009	8.8436	8.9275	0.2363	+8.7435
2968*	Velorum	6	38 7,60	1,723	−0,0034	−0,009	8.8440	8.9274	0.2363	+8.7440
2969*	Volantis .....*θ*	5½	38 30,20	0,264	−0,0493	−0,019	9.0914	9.1734	9.4216	+9.0640
2970	50 Cancri .....A[2]	6	8 38 42,42	+3,302	−0,0113	−0,004	−8.6397	+8.7209	+0.5187	−7.9804

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
2926	132 27 57,7	+12,37	+0,242	−0,02	−9.9302	−9.6196	+1.0925	+9.8960	....	139	ii.1056	3446	2114	
2927	68 59 36,7	12,39	+0,399	−0,08	−9.0906	+9.3453	1.0930	9.8957	....	135	iv. 611			
2928	170 24 46,7	12,41	−0,361	−0,88	−9.9279	−9.7853	1.0936	9.8953	....	....	.....	3537	2136	
2929	101 56 55,0	12,41	+0,326	+0,03	−9.7688	−9.1076	1.0938	9.8952	1229	138	ii.1057			
2930	9 25 12,7	12,43	1,076	.....	+9.8471	+9.7863	1.0944	9.8948	....	....	.....	....	....	G 1463
2931	69 35 44,4	12,43	0,396	+0,08	−9.1242	+9.3347	1.0945	9.8947	1228	136	ii.1058	....	....	M 363
2932	119 1 46,7	12,45	0,285	+0,10	−9.8808	−9.4789	1.0951	9.8943	....	140	ii.1059	3450	2122	W 514
2933	126 4 57,7	12,46	+0,264	+0,24	−9.9097	−9.5634	1.0955	9.8941	....	....	v.1146	3456	2123	
2934	162 50 32,4	12,46	−0,037	.....	−9.9429	−9.7735	1.0955	9.8941	....	....	.....	....	2129	
2935	124 46 47,6	12,50	+0,267	+0,10	−9.9045	−9.5509	1.0969	9.8932	....	145	ii.1061	3462	2127	J 201
2936	142 33 42,9	12,52	0,194	−0,23	−9.9466	−9.6951	1.0975	9.8928	....	....	v.1148	3467	2130	R 111
2937	67 59 42,3	12,53	0,398	−0,03	−9.0402	+9.3692	1.0978	9.8926	1230	142	ii.1060	....	....	M 364
2938	71 18 56,1	12,53	0,390	+0,01	−9.2066	+9.3012	1.0978	9.8926	1231	143	iii.1061			
2939	152 19 38,6	12,53	0,123	−0,02	−9.9509	−9.7429	1.0979	9.8926	....	....	.....	3475	2135	R 112
2940	105 24 29,1	12,54	0,317	+0,08	−9.7964	−9.2203	1.0982	9.8924	1234	146	ii.1063	....	....	W 516
2941	129 44 4,5	12,54	0,251	+0,07	−9.9204	−9.6018	1.0983	9.8923	....	148	iii.1064	3463	2132	
2942	76 47 4,1	12,55	0,377	−0,01	−9.3878	+9.1555	1.0986	9.8921	1232	144	ii.1062	....	....	M 365
2943	22 44 50,2	12,56	0,632	−0,02	+9.7412	+9.7617	1.0991	9.8918	....	137	iii.1062	....	....	B.F 1210
2944	142 54 36,7	12,57	0,192	−0,21	−9.9462	−9.6988	1.0992	9.8918	....	....	v.1151	3472	2138	
2945	86 3 58,1	12,58	0,357	+0,01	−9.5792	+8.6338	1.0996	9.8915	1235	147	ii.1064			
2946	134 39 37,2	12,59	0,232	+0,07	−9.9325	−9.6445	1.0999	9.8913	....	....	v.1154	3468	2140	
2947	136 7 3,3	12,60	0,226	+0,07	−9.9353	−9.6558	1.1003	9.8910	....	155	ii.1065	3470	2141	J 202
2948	142 31 24,9	12,60	0,195	−0,19	−9.9452	−9.6977	1.1004	9.8910	....	....	v.1156	3476	2143	
2949	152 18 55,6	12,61	0,124	+0,15	−9.9495	−9.7456	1.1006	9.8908	....	....	.....	3491	2150	
2950	142 23 29,8	12,62	0,195	+0,07	−9.9447	−9.6977	1.1011	9.8905	....	....	v.1159	3482	2148	J203, R114
2951	142 29 3,2	12,62	0,195	−0,13	−9.9448	−9.6983	1.1011	9.8905	....	....	v.1160	3484	2149	
2952	58 45 44,0	12,63	0,419	−0,02	+8.5011	+9.5140	1.1014	9.8903	1233	149	iii.1065			
2953	71 17 52,0	12,63	0,388	+0,24	−9.2093	+9.3053	1.1015	9.8903	1236	150	ii.1066	.....	.....	M 366
2954	96 41 47,5	12,64	0,334	−0,01	−9.7173	−8.8663	1.1018	9.8900	1238	152	iii.1066	....	....	B.F. 1233
2955	136 47 5,0	12,64	0,223	+0,16	−9.9360	−9.6622	1.1018	9.8900	....	....	v.1165	3478	2154	R 115
2956	138 23 21,7	12,64	0,215	+0,06	−9.9388	−9.6734	1.1019	9.8900	....	....	v.1166	3483	2155	
2957	134 27 27,9	12,65	0,232	−0,13	−9.9311	−9.6453	1.1021	9.8898	....	....	v.1168	3480	2157	
2958	79 22 44,8	12,66	0,369	+0,03	−9.4527	+9.0658	1.1025	9.8896	1237	154	ii.1068	....	....	M 367
2959	134 52 36,5	12,68	0,230	+0,10	−9.9316	−9.6494	1.1031	9.8892	....	....	v.1169	3486	2158	
2960	147 0 42,4	12,69	0,167	−0,14	−9.9473	−9.7250	1.1036	9.8889	....	....	v.1170	3497	2159	R 116
2961	83 46 42,1	12,69	0,359	−0,03	−9.5410	+8.8363	1.1036	9.8889	1240	157	iv. 614			
2962	149 13 35,1	12,71	0,151	−0,16	−9.9477	−9.7360	1.1041	9.8885	....	....	v.1171	3504	2163	J 205
2963	137 33 45,5	12,72	0,219	+0,07	−9.9363	−9.6703	1.1044	9.8883	....	....	v.1172	3492	2161	
2964	122 38 50,3	12,73	0,272	−0,09	−9.8934	−9.5345	1.1047	9.8881	....	162	ii.1070	3487	2160	J 204
2965	60 41 44,0	12,73	0,411	+0,07	−6.3010	+9.4923	1.1048	9.8880	1239	158	ii.1069	....	....	M 368
2966	136 16 20,6	12,75	0,224	−0,08	−9.9334	−9.6621	1.1054	9.8877	....	....	v.1175	3496	2165	
2967	142 33 43,5	12,76	0,194	−0,18	−9.9427	−9.7034	1.1058	9.8874	....	....	v.1178	3505	2168	R 118
2968	142 34 37,5	12,77	0,194	−0,12	−9.9426	−9.7037	1.1060	9.8872	....	....	v.1179	3507	2169	
2969	159 51 3,3	12,79	0,030	−0,26	−9.9408	−9.7772	1.1069	9.8866	....	....	.....	3536	2184	R 119
2970	77 20 33,9	+12,80	+0,371	+0,06	−9.4062	+9.1458	+1.1074	+9.8863	1242	163	ii.1072	....	....	M 369

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
2971	11 Hydræ ..... *g*	4	8 38 49,94	+3,196	−0,0089	−0,007	−8.6325	+8.7132	+0.5047	−7.7163
2972	Velorum .....D	6	38 58,46	1,876	−0,0014	−0,016	8.8152	8.8953	0.2733	+8.6948
2973	Velorum ..... *d*	6	39 1,90	2,142	+0,0004	−0,009	8.7595	8.8394	0.3307	+8.5859
2974	Mali	6	39 5,52	2,307	+0,0008	+0,026	8.7254	8.8050	0.3631	+8.5009
2975	12 Hydræ	6	39 17,43	2,834	−0,0026	+0,005	8.6417	8.7206	0.4523	+7.9938
2976*	Hydræ	6	39 38,42	3,046	−0,0060	−0,009	8.6313	8.7089	0.4838	+7.0035
2977	Cancri	7½	40 24,75	3,309	−0,0116	−0,002	8.6444	8.7190	0.5196	−7.9996
2978	13 Hydræ ..... *g*	5	40 29,11	3,185	−0,0087	+0,001	8.6358	8.7101	0.5031	−7.6822
2979	Argûs ..... *δ*	3	40 33,66	1,656	−0,0043	−0,004	8.8657	8.9397	0.2189	+8.7745
2980	Mali	6	40 51,93	2,380	+0,0008	−0,011	8.7157	8.7886	0.3766	+8.4641
2981	Velorum ..... *a*	5	40 56,75	2,032	0,0000	+0,002	8.7884	8.8610	0.3080	+8.6416
2982	5 Ursæ Majoris .. *b*	5½	40 57,75	5,033	−0,0909	−0,001	8.9700	9.0425	0.7018	−8.9180
2983	Velorum	neb.	41 9,32	2,152	+0,0006	−0,072	8.7636	8.8353	0.3328	+8.5892
2984	Lyncis	6½	41 13,07	3,754	−0,0251	+0,005	8.7153	8.7868	0.5745	−8.4611
2985	Velorum	6	41 25,04	2,039	0,0000	.....	8.7885	8.8592	0.3093	+8.6407
2986	Carinæ	6	41 32,51	1,430	−0,0086	+0,005	8.9134	8.9836	0.1552	+8.8426
2987	14 Hydræ	5½	41 49,45	3,019	−0,0054	−0,001	8.6366	8.7058	0.4799	+7.3390
2988*	Ursæ Majoris	7½	41 50,99	4,551	−0,0618	.....	8.8830	8.9521	0.6581	−8.7990
2989	35 Lyncis	5½	41 51,65	4,063	−0,0375	+0,004	8.7813	8.8503	0.6088	−8.6252
2990	Cancri	7	42 10,20	3,412	−0,0143	+0,001	8.6600	8.7279	0.5330	−8.1628
2991	Cancri	7	42 12,36	3,428	−0,0148	−0,002	8.6623	8.7300	0.5351	−8.1833
2992	Velorum	6	42 13,81	2,033	0,0000	.....	8.7921	8.8597	0.3082	+8.6462
2993	Volantis	6	42 25,54	0,866	−0,0248	+0,025	9.0161	9.0829	9.9373	+8.9743
2994	Volantis	6	42 26,09	0,600	−0,0353	−0,038	9.0577	9.1245	9.7779	+9.0238
2995	54 Cancri	6½	42 39,91	3,360	−0,0130	−0,007	8.6549	8.7208	0.5263	−8.0927
2996	Velorum	6	42 45,09	2,161	+0,0007	+0,022	8.7664	8.8321	0.3346	+8.5912
2997	52 Cancri	7	42 46,72	3,372	−0,0134	0,000	8.6566	8.7221	0.5279	−8.1114
2998	Carinæ ..... *f*	5	42 49,93	1,556	−0,0060	+0,006	8.8932	8.9585	0.1919	+8.8129
2999*	51 Cancri	6	43 18,21	3,728	−0,0246	+0,008	8.7159	8.7794	0.5715	−8.4524
3000	53 Cancri ..... g^1	6½	43 25,70	3,627	−0,0211	−0,011	8.6970	8.7600	0.5595	−8.3801
3001*	Velorum	6½	43 35,81	1,763	−0,0027	−0,028	8.8535	8.9159	0.2463	+8.7518
3002	55 Cancri ..... g^2	6	43 39,17	3,628	−0,0212	−0,036	8.6979	8.7600	0.5597	−8.3821
3003*	6 Ursæ Majoris	5½	43 42,27	5,254	−0,1088	+0,003	9.0171	9.0790	0.7205	−8.9750
3004*	Ursæ Majoris	7	43 44,94	5,349	−0,1161	.....	9.0326	9.0944	0.7283	−8.9936
3005	Mali	6	43 45,34	2,513	+0,0004	+0,015	8.6981	8.7599	0.4002	+8.3824
3006	Mali	6	43 46,04	2,434	+0,0008	+0,001	8.7130	8.7747	0.3863	+8.4399
3007	Mali	6	44 0,56	2,533	+0,0003	−0,008	8.6952	8.7560	0.4036	+8.3676
3008	Carinæ	6	44 1,30	1,121	−0,0167	+0,054	8.9785	9.0393	0.0496	+8.9270
3009*	Velorum ..... *h*	6	44 4,29	2,231	+0,0009	+0,007	8.7553	8.8158	0.3485	+8.5612
3010	Mali ..... *c*	6	44 9,99	2,553	+0,0003	−0,008	8.6920	8.7522	0.4071	+8.3513
3011*	15 Hydræ	6	44 12,08	2,954	−0,0043	−0,002	8.6442	8.7043	0.4704	+7.7058
3012	Velorum	6½	44 12,81	2,266	+0,0010	−0,017	8.7483	8.8083	0.3553	+8.5433
3013*	Hydræ	6	44 28,99	3,175	−0,0086	.....	8.6442	8.7032	0.5017	−7.6562
3014	Velorum ..... *g*	5½	44 36,69	2,073	+0,0003	+0,005	8.7908	8.8493	0.3165	+8.6384
3015	Cancri	7	8 44 44,27	+3,396	−0,0141	−0,006	−8.6641	+8.7221	+0.5310	−8.1525

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
2971	83 2 2,7	+12,81	+0,359	+0,03	−9.5283	+8.8892	+1.1076	+9.8861	1243	164	ii.1073			
2972	139 16 55,1	12,82	0,210	+0,05	−9.9375	−9.6854	1.1080	9.8859	....	....	v.1186	3514	2180	
2973	132 6 31,0	12,83	0,240	+0,03	−9.9229	−9.6323	1.1081	9.8858	....	168	iii.1067	3508	2179	
2974	126 36 34,0	12,83	0,259	+1,08	−9.9067	−9.5815	1.1082	9.8857	....	....	v.1188	3506	2178	
2975	103 0 3,3	12,84	0,317	−0,04	−9.7750	−9.1586	1.1087	9.8854	1244	166	ii.1074			
2976	91 20 59,9	12,87	0,341	−0,03	−9.6550	−8.1794	1.1095	9.8848	....	167	ii.1075	....	....	B.F 1241
2977	76 54 13,2	12,92	0,369	−0,03	−9.3969	+9.1642	1.1112	9.8836	....	170	iii.1068	....	....	M 370
2978	83 36 39,5	12,92	0,355	+0,03	−9.5393	+8.8556	1.1114	9.8835	1248	172	ii.1076			
2979	144 9 38,6	12,93	0,185	+0,13	−9.9414	−9.7182	1.1116	9.8834	....	....	ii.1077	3532	2194	J206, R120
2980	124 4 28,6	12,95	0,265	−0,13	−9.8961	−9.5584	1.1122	9.8829	....	....	v.1196	3521	2193	
2981	135 29 43,6	12,95	0,226	+0,04	−9.9287	−9.6634	1.1124	9.8827	....	176	v.1198	3526	2198	J 207
2982	27 28 52,6	12,96	0,560	−0,17	+9.6784	+9.7582	1.1125	9.8827	1241	165	iii.1069	....	....	G 1472
2983	132 0 40,4	12,97	0,239	−1,62	−9.9206	−9.6363	1.1129	9.8824	....	....	v.1199	3528	2199	
2984	56 9 30,2	12,97	0,418	+0,09	+8.8082	+9.5566	1.1130	9.8823	1245	173	iii.1070	....	....	B.F 1242
2985	135 21 54,8	12,99	0,227	.....	−9.9280	−9.6635	1.1135	9.8820	....	....	v.1202	....	2200	
2986	148 10 37,0	12,99	0,159	−0,14	−9.9425	−9.7408	1.1138	9.8818	....	....	v.1203	3545	2206	R 121
2987	92 53 19,5	13,01	0,335	0,00	−9.6738	−8.5146	1.1144	9.8813	1249	177	ii.1079			
2988	34 29 58,6	13,02	0,505	.....	+9.5812	+9.7282	1.1144	9.8813	....	....	.....	....	....	B.F 1220
2989	45 43 11,0	13,02	0,451	−0,02	+9.3434	+9.6562	1.1145	9.8813	1247	175	iii.1071			
2990	71 26 32,5	13,04	0,378	+0,05	−9.2292	+9.3157	1.1151	9.8808	....	179	ii.1080	....	....	M 371
2991	70 36 44,7	13,04	0,380	+0,04	−9.1965	+9.3341	1.1152	9.8807	....	180	ii.1081	....	....	M 372
2992	135 36 20,8	13,04	0,225	.....	−9.9276	−9.6671	1.1153	9.8807	....	....	v.1208	3542	2212	
2993	155 16 56,0	13,05	0,096	−0,35	−9.9401	−9.7718	1.1157	9.8804	....	....	.....	3562	2216	
2994	157 40 4,3	13,05	0,066	+0,18	−9.9381	−9.7797	1.1157	9.8803	....	....	.....	3568	2218	
2995	74 5 48,2	13,07	0,372	−0,07	−9.3214	+9.2518	1.1162	9.8800	1250	182	ii.1082	....	2221	M 373
2996	131 54 40,8	13,08	0,239	−0,02	−9.9188	−9.6390	1.1164	9.8798	....	187	v.1210	....	2214	
2997	73 26 37,5	13,08	0,373	−0,10	−9.3008	+9.2691	1.1165	9.8798	1251	183	iii.1072			
2998	146 13 9,1	13,08	0,172	−0,25	−9.9402	−9.7341	1.1166	9.8797	....	....	v.1212	3554	2217	
2999	56 58 3,9	13,11	0,412	−0,02	+8.6875	+9.5519	1.1176	9.8789	1252	184	iii.1073			
3000	61 10 54,9	13,12	0,400	+0,02	−8.1931	+9.4988	1.1179	9.8787	1253	185	iii.1075			
3001	142 17 49,2	13,13	0,194	−0,27	−9.9362	−9.7143	1.1183	9.8784	....	....	v.1215	3560	2224 2225	
3002	61 5 59,4	13,13	0,400	+0,25	−8.1673	+9.5004	1.1184	9.8784	1254	186	ii.1083			
3003	24 49 40,9	13,14	0,579	+0,13	+9.7020	+9.7742	1.1185	9.8783	1246	178	iii.1074			
3004	23 54 30,1	13,14	0,589	.....	+9.7116	+9.7774	1.1186	9.8782	....	....	.....	....	....	B.F 1236
3005	118 54 18,0	13,14	0,277	−0,15	−9.8722	−9.5007	1.1186	9.8782	....	188	iv. 624	3548	2222	W 525
3006	122 13 20,9	13,14	0,268	+0,03	−9.8864	−9.5433	1.1187	9.8782	....	190	iv. 625	3549	2223	
3007	118 3 27,3	13,16	0,279	−0,24	−9.8681	−9.4894	1.1192	9.8778	....	....	.....	3551	2226	
3008	152 38 19,6	13,16	0,123	+0,30	−9.9393	−9.7655	1.1192	9.8777	....	....	.....	3573	2232	
3009	129 45 47,2	13,16	0,246	−0,10	−9.9118	−9.6230	1.1193	9.8777	....	194	iv. 626	3556	2228	
3010	117 9 23,7	13,17	0,281	+0,01	−9.8636	−9.4767	1.1195	9.8775	....	193	ii.1085	3553	2227	W 526
3011	96 37 5,0	13,17	0,325	0,00	−9.7143	−8.8790	1.1196	9.8775	1256	189	iii.1076			
3012	128 35 8,5	13,17	0,249	−0,21	−9.9082	−9.6124	1.1196	9.8774	....	....	v.1217	3557	2230	
3013	84 5 58,4	13,19	0,349	.....	−9.5494	+8.8300	1.1202	9.8770	....	....	.....	....	....	B.F 1253
3014	134 45 8,6	13,20	0,228	+0,08	−9.9234	−9.6659	1.1205	9.8768	....	198	iii.1077	3565	2234	
3015	72 4 6,8	+13,21	+0,373	+0,10	−9.2582	+9.3069	+1.1208	+9.8766	....	191	ii.1086	....	....	M 374

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3016	57 Cancri ..... σ^2	5½	8 45 4,84	+3,678	−0,0231	+0,004	−8.7108	+8.7675	+0.5656	−8.4245
3017	Cancri	7½	45 20,12	3,447	−0,0157	+0,001	8.6723	8.7280	0.5374	−8.2172
3018	Cancri	7½	45 22,61	3,399	−0,0142	+0,001	8.6659	8.7215	0.5313	−8.1584
3019	Cancri	8½	45 24,38	3,339	−0,0126	−0,004	8.6589	8.7144	0.5236	−8.0711
3020	Velorum ..... f	6	45 28,99	2,033	+0,0002	+0,033	8.8021	8.8572	0.3081	+8.6588
3021*	Ursæ Majoris	7	45 32,77	5,386	−0,1207	.....	9.0448	9.0997	0.7313	−9.0074
3022*	Cancri	7½	46 8,60	+3,335	−0,0126	+0,013	8.6602	8.7128	+0.5231	−8.0677
3023	Chamæleontis .. η	5	46 17,84	−1,808	−0,2169	−0,008	9.3430	9.3951	−0.2573	+9.3341
3024	Velorum	6	46 23,36	+2,219	+0,0011	+0,028	8.7645	8.8162	+0.3461	+8.5763
3025	Lyncis	6	46 39,09	4,112	−0,0412	−0,018	8.8064	8.8571	0.6141	−8.6648
3026	58 Cancri ..... ρ^3	6	46 39,92	3,613	−0,0211	−0,001	8.7027	8.7533	0.5579	−8.3813
3027	Lyncis	6	46 45,49	3,932	−0,0332	.....	8.7675	8.8178	0.5946	−8.5825
3028	Carinæ	6	46 49,46	1,143	−0,0162	.....	8.9843	9.0343	0.0582	+8.9327
3029	Cancri	7	46 55,47	3,391	−0,0141	−0,001	8.6685	8.7181	0.5303	−8.1537
3030	Velorum	6½	47 4,78	2,287	+0,0011	+0,016	8.7519	8.8010	0.3593	+8.5428
3031	Cancri	7½	47 20,79	3,333	−0,0126	+0,027	8.6626	8.7106	0.5228	−8.0684
3032	16 Hydræ ..... ζ	4	47 27,90	3,184	−0,0089	0,000	8.6511	8.6987	0.5030	−7.7059
3033	59 Cancri	5½	47 40,57	3,729	−0,0253	−0,001	8.7276	8.7743	0.5716	−8.4693
3034	Velorum	6	47 43,05	1,974	−0,0002	+0,006	8.8216	8.8682	0.2953	+8.6913
3035	60 Cancri	6	47 43,82	3,286	−0,0114	+0,002	8.6588	8.7054	0.5166	−7.9836
3036	Carinæ	6	47 47,09	1,535	−0,0065	+0,013	8.9137	8.9601	0.1862	+8.8376
3037	17 Hydræ	7	48 8,49	2,942	−0,0041	0,000	8.6534	8.6984	0.4686	+7.7633
3038	Velorum	6	48 8,82	1,819	−0,0018	+0,012	8.8562	8.9012	0.2599	+8.7501
3039	Hydræ	7½	48 8,97	+2,942	−0,0041	+0,017	8.6534	8.6984	+0.4686	+7.7633
3040	Chamæleontis	5½	48 11,83	−1,817	−0,2213	−0,029	9.3508	9.3956	−0.2593	+9.3421
3041*	Cancri	7½	48 17,59	+3,394	−0,0144	.....	8.6720	8.7164	+0.5307	−8.1632
3042	Draconis	6	48 24,41	9,646	−0,7073	.....	9.4766	9.5206	0.9843	−9.4717
3043	Volantis	6	48 32,36	0,819	−0,0277	+0,012	9.0453	9.0888	9.9132	+9.0068
3044	Cancri	7	48 41,93	3,387	−0,0142	−0,003	8.6720	8.7149	0.5298	−8.1553
3045	Velorum	6	48 49,55	2,010	+0,0001	+0,015	8.8170	8.8594	0.3033	+8.6808
3046	61 Cancri ..... σ^3	6	48 51,14	3,661	−0,0231	+0,007	8.7173	8.7596	0.5636	−8.4267
3047	62 Cancri ..... o^1	6	48 52,66	3,353	−0,0132	+0,006	8.6682	8.7104	0.5254	−8.1057
3048	9 Ursæ Majoris .. ι	3½	48 54,59	4,195	−0,0459	−0,070	8.8312	8.8732	0.6227	−8.7065
3049*	8 Ursæ Majoris .. ϱ	5	48 56,30	5,547	−0,1376	+0,006	9.0817	9.1237	0.7440	−9.0495
3050	Carinæ	6	49 4,55	1,599	−0,0052	−0,004	8.9051	8.9465	0.2039	+8.8241
3051	Mali ..... d	6	49 5,79	2,564	+0,0004	+0,020	8.7023	8.7436	0.4090	+8.3609
3052	63 Cancri ..... o^2	6	49 12,25	3,357	−0,0134	+0,005	8.6694	8.7104	0.5260	−8.1139
3053*	Cancri	6	49 36,33	3,244	−0,0105	.....	8.6594	8.6988	0.5111	−7.8974
3054	Velorum	6	50 3,34	2,103	+0,0009	−0,012	8.8003	8.8380	0.3229	+8.6457
3055	65 Cancri ..... α	4	50 16,77	3,288	−0,0116	+0,005	8.6645	8.7014	0.5169	−7.9976
3056	64 Cancri	5½	50 19,26	3,710	−0,0251	0,000	8.7307	8.7674	0.5694	−8.4667
3057	Carinæ	6	50 22,90	1,381	−0,0100	+0,013	8.9526	8.9891	0.1401	+8.8892
3058	Cancri	7	50 41,87	3,404	−0,0148	−0,007	8.6786	8.7139	0.5319	−8.1849
3059*	Lyncis	4	50 53,01	3,967	−0,0358	−0,036	8.7869	8.8215	0.5984	−8.6155
3060	Lyncis	6	8 50 57,63	+3,843	−0,0304	.....	−8.7601	+8.7944	+0.5847	−8.5513

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3016	58 51 19,8	+13,23	+0,403	0,00	+8.2381	+9.5330	+1.1215	+9.8760	1255	192	iii.1078			
3017	69 28 9,4	13,25	0,377	+0,04	−9.1556	+9.3648	1.1221	9.8756	....	195	iv. 627	....	....	M 375
3018	71 53 26,8	13,25	0,372	+0,03	−9.2531	+9.3125	1.1222	9.8755	....	196	iv. 628	....	....	M 376
3019	75 1 44,5	13,25	0,366	+0,13	−9.3528	+9.2322	1.1222	9.8755	....	197	iv. 629	....	....	M 377
3020	135 58 15,2	13,26	0,223	+0,11	−9.9249	−9.6769	1.1224	9.8753	....	205	iii.1079	3572	2241	
3021	23 25 35,9	13,26	0,589	.....	+9.7126	+9.7829	1.1225	9.8752	....	....	.....	....	....	B.F 1237
3022	75 11 35,0	13,30	+0,364	+0,16	−9.3583	+9.2291	1.1238	9.8742	....	203	iii.1080	....	....	M 378
3023	168 24 53,5	13,31	−0,197	−0,49	−9.9138	−9.8130	1.1241	9.8740	....	....	ii.1091	3623	2254	J 208
3024	130 25 25,0	13,31	+0,242	−0,21	−9.9113	−9.6340	1.1243	9.8738	....	....	v.1225	3577	2244	
3025	43 47 46,8	13,33	0,448	−0,04	+9.3782	+9.6811	1.1249	9.8734	....	202	iii.1082	....	....	G 1486
3026	61 30 12,3	13,33	0,394	+0,04	−8.3979	+9.5013	1.1249	9.8733	1258	204	ii.1087			
3027	49 13 37,7	13,34	0,428	.....	+9.2017	+9.6378	1.1251	9.8732	....	....	.....	....	....	G 1487
3028	152 37 15,6	13,34	0,125	.....	−9.9358	−9.7714	1.1252	9.8731	....	....	.....	....	2251	
3029	72 12 6,0	13,35	0,369	+0,04	−9.2674	+9.3085	1.1255	9.8729	....	206	ii.1088	....	....	M 380
3030	128 9 34,1	13,36	0,249	−0,19	−9.9042	−9.6145	1.1258	9.8726	....	....	v.1229	3580	2249	
3031	75 15 2,5	13,38	0,362	+0,20	−9.3617	+9.2300	1.1264	9.8722	....	208	iii.1083	....	....	M 381
3032	83 29 11,2	13,38	0,346	0,00	−9.5400	+8.8791	1.1266	9.8720	1261	210	ii.1089			
3033	56 30 57,2	13,40	0,405	+0,07	+8.6866	+9.5665	1.1271	9.8716	1259	209	iii.1084			
3034	137 47 38,4	13,40	0,214	+0,02	−9.9256	−9.6946	1.1272	9.8716	....	....	v.123c	3584	2252	R 124
3035	77 48 12,7	13,40	0,357	0,00	−9.4265	+9.1498	1.1272	9.8715	1262	211	ii.109c	....	....	M 382
3036	147 4 12,5	13,41	0,167	−0,09	−9.9346	−9.7490	1.1273	9.8714	....	....	v.1232	3594	2256	R 125
3037	97 24 0,9	13,43	0,319	+0,04	−9.7211	−8.9357	1.1280	9.8708	1264	214	iii.1085			
3038	141 33 51,0	13,43	0,197	+0,05	−9.9302	−9.7198	1.1280	9.8708	....	....	v.1233	3593	2259	
3039	97 23 58,6	13,43	+0,319	+0,08	−9.7211	−8.9357	1.1281	9.8708	....	215	iv. 632			
3040	168 31 2,0	13,43	−0,197	−0,44	−9.9107	−9.8172	1.1282	9.8707	....	....	ii.1096	3644	2270	J 209
3041	71 56 45,8	13,44	+0,367	−0,02	−9.2615	+9.3174	1.1284	9.8706	....	213	iv. 633	....	....	M 385
3042	8 34 47,4	13,45	1,044	.....	+9.8254	+9.8215	1.1286	9.8704	....	....	.....	....	....	G 1480
3043	156 14 8,3	13,45	0,089	+0,10	−9.9313	−9.7882	1.1289	9.8702	....	....	.....	3609	2264	R 127
3044	72 16 58,4	13,47	0,366	+0,08	−9.2739	+9.3103	1.1292	9.8699	....	217	iii.1087	....	....	M 383
3045	136 57 7,9	13,47	0,217	+0,08	−9.9230	−9.6910	1.1295	9.8697	....	....	v.1235	3596	2262	R 126
3046	59 11 36,4	13,48	0,396	−0,03	+7.8195	+9.5367	1.1295	9.8696	1263	216	iii.1088			
3047	74 6 17,7	13,48	0,362	−0,04	−9.3316	+9.2649	1.1296	9.8696	1265	218	ii.1093	....	....	M 384
3048	41 22 21,5	13,48	0,453	+0,28	+9.4296	+9.7027	1.1297	9.8695	1260	212	ii.1092			
3049	21 47 29,9	13,48	0,599	+0,01	+9.7213	+9.7953	1.1297	9.8695	1257	207	iii.1086			
3050	146 5 0,2	13,49	0,173	−0,20	−9.9326	−9.7468	1.1300	9.8692	....	....	v.1237	3603	2265	R 128
3051	117 6 22,1	13,49	0,277	+0,05	−9.8594	−9.4864	1.1300	9.8692	....	220	ii.1095	3589	2263	W 532
3052	73 50 43,3	13,50	0,362	−0,06	−9.3243	+9.2724	1.1303	9.8690	1266	219	ii.1094	....	....	M 386
3053	80 2 20,9	13,52	0,349	.....	−9.4767	+9.0669	1.1311	9.8683	....	....	.....	....	....	B.F 1267
3054	134 28 15,3	13,55	0,226	+0,12	−9.9170	−9.6752	1.1320	9.8675	....	....	v.1239	3604	2272	
3055	77 33 51,7	13,57	0,353	+0,03	−9.4236	+9.1634	1.1325	9.8671	1269	222	ii.1097	....	2268	M 387
3056	57 0 10,5	13,57	0,398	+0,06	+8.5682	+9.5664	1.1326	9.8671	1267	221	iii.1089			
3057	149 47 0,8	13,57	0,148	−0,06	−9.9317	−9.7671	1.1327	9.8670	....	....	v.1241	3613	2274	
3058	71 17 4,7	13,59	0,365	+0,08	−9.2433	+9.3374	1.1333	9.8664	....	224	ii.1098	....	....	M 388
3059	47 37 37,4	13,61	0,425	+0,28	+9.2418	+9.6601	1.1337	9.8661	1268	223	iii.1090	....	....	B.F 1264
3060	51 48 57,5	+13,61	+0,412	.....	+9.0527	+9.6228	+1.1339	+9.8660	....	....	.....	....	....	G 1496

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3061	Carinæ	6	8 51 6,34	+1,520	−0,0068	−0,018	−8.9276	+8.9614	+0.1819	+8.8545
3062	Cancri	7	51 11,65	+3,309	−0,0122	−0,006	8.6685	8.7019	+0.5197	−8.0415
3063	Chamæleontis	6	51 17,78	−1,950	−0,2423	−0,023	9.3736	9.4066	−0.2899	+9.3655
3064	Carinæ ..... *c*	5½	51 39,05	+1,370	−0,0102	+0,022	8.9590	8.9907	+0.1366	+8.8968
3065	Hydræ	6	51 41,81	2,798	−0,0018	+0,030	8.6733	8.7048	0.4468	+8.1020
3066	Velorum .....H	6	51 47,36	1,811	−0,0018	−0,013	8.8694	8.9005	0.2580	+8.7668
3067	Velorum	7	52 0,72	1,763	−0,0025	+0,019	8.8805	8.9108	0.2462	+8.7841
3068	66 Cancri	6	52 11,30	3,701	−0,0251	−0,002	8.7337	8.7633	0.5683	−8.4679
3069	67 Cancri	7	52 51,63	3,599	−0,0214	−0,004	8.7155	8.7426	0.5562	−8.3940
3070	Mali	6	52 53,80	2,548	+0,0007	−0,003	8.7145	8.7414	0.4061	+8.3893
3071	Velorum	6	52 57,46	1,989	+0,0002	−0,006	8.8341	8.8608	0.2986	+8.7051
3072	Ursæ Majoris	6	52 58,51	4,455	−0,0618	.....	8.8997	8.9263	0.6488	−8.8124
3073	Carinæ ..... *b*[1]	4	53 18,01	1,474	−0,0079	−0,016	8.9441	8.9695	0.1685	+8.8756
3074	68 Cancri	7	53 18,20	3,380	−0,0143	0,000	8.6813	8.7067	0.5290	−8.1634
3075	12 Ursæ Majoris .. $\varkappa$	4	53 21,76	4,141	−0,0448	−0,001	8.8328	8.8580	0.6171	−8.7021
3076	Hydræ	6½	53 36,35	3,177	−0,0089	+0,013	8.6635	8.6878	0.5020	−7.6988
3077	Velorum	6	53 47,52	2,042	+0,0007	+0,008	8.8248	8.8483	0.3101	+8.6864
3078	Hydræ	8	53 54,41	3,177	−0,0089	+0,019	8.6641	8.6872	0.5020	−7.7002
3079	69 Cancri ..... ν	6	53 57,59	3,524	−0,0189	+0,001	8.7045	8.7274	0.5470	−8.3311
3080	Velorum	7	54 21,69	2,006	+0,0005	+0,018	8.8345	8.8559	0.3024	+8.7035
3081	Velorum	6	54 29,63	2,239	+0,0016	−0,009	8.7828	8.8037	0.3500	+8.5969
3082	Mali	6	54 40,84	2,597	+0,0005	−0,015	8.7097	8.7299	0.4145	+8.3527
3083*	Ursæ Majoris	6½	54 43,95	4,283	−0,0527	.....	8.8683	8.8882	0.6317	−8.7613
3084	Velorum	6	54 54,97	2,183	+0,0015	−0,007	8.7965	8.8158	0.3390	+8.6270
3085	Ursæ Majoris	6	55 1,42	4,186	−0,0477	.....	8.8479	8.8668	0.6218	−8.7265
3086*	Ursæ Majoris	6	55 3	4,740	−0,0810	.....	8.9642	8.9830	0.6758	−8.9015
3087	11 Ursæ Majoris .. σ^1	5	55 8,97	5,397	−0,1317	+0,002	9.0806	9.0990	0.7322	−9.0462
3088	70 Cancri	6½	55 12,99	3,594	−0,0215	+0,004	8.7202	8.7383	0.5556	−8.3987
3089	Carinæ ..... *b*[2]	4	55 43,11	1,499	−0,0073	−0,038	8.9472	8.9634	0.1757	+8.8780
3090	Velorum	6	55 47,17	2,226	+0,0017	−0,010	8.7893	8.8053	0.3475	+8.6087
3091*	Ursæ Majoris	7	55 54,16	4,226	−0,0501	.....	8.8593	8.8748	0.6259	−8.7448
3092	Velorum	6½	55 56,01	1,884	−0,0007	0,000	8.8664	8.8818	0.2751	+8.7567
3093*	Cancri	8	56 4,94	3,523	−0,0191	.....	8.7093	8.7241	0.5469	−8.3385
3094	Velorum	6½	56 21,65	2,298	+0,0018	−0,014	8.7748	8.7885	0.3614	+8.5719
3095	Cancri	7	56 27,59	3,265	−0,0113	−0,003	8.6753	8.6887	0.5139	−7.9729
3096*	Mali	6	56 35,02	2,625	+0,0004	+0,008	8.7092	8.7222	0.4191	+8.3338
3097	Lyncis	5	56 58,52	3,848	−0,0320	+0,007	8.7774	8.7888	0.5852	−8.5767
3098	Velorum	6	57 6,15	1,863	−0,0008	+0,019	8.8746	8.8856	0.2702	+8.7688
3099	13 Ursæ Majoris .. σ^2	5	57 7,15	5,409	−0,1350	−0,002	9.0894	9.1003	0.7331	−9.0558
3100	Lyncis	6	57 14,29	3,842	−0,0317	.....	8.7768	8.7873	0.5846	−8.5745
3101	Carinæ	6	57 18,87	1,389	−0,0100	−0,010	8.9743	8.9844	0.1426	+8.9134
3102*	71 Cancri	7½	57 19,99	3,381	−0,0147	−0,003	8.6900	8.7002	0.5291	−8.1797
3103*	Cancri	7½	57 50,85	3,375	−0,0145	+0,004	8.6904	8.6985	0.5283	−8.1736
3104*	Cancri	7½	58 1,95	3,342	−0,0135	+0,005	8.6865	8.6940	0.5240	−8.1235
3105	18 Hydræ ..... ω	6	8 58 4,50	+3,166	−0,0087	+0,003	−8.6719	+8.6792	+0.5005	−7.6680

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3061	147 39 57,6	+13,62	+0,163	−0,29	−9.9306	−9.7588	+1.1342	+9.8657	....	....	v.1243	3618	2279	R 129
3062	76 20 51,2	13,63	+0,354	+0,15	−9.3953	+9.2051	1.1344	9.8656	....	225	iii.1091	....	....	M 389
3063	168 56 49,5	13,63	−0,209	−0,17	−9.9048	−9.8242	1.1346	9.8654	....	....	.....	3669	2290	R 132
3064	150 4 25,9	13,66	+0,146	+0,08	−9.9300	−9.7709	1.1353	9.8647	....	....	v.1245	3626	2281	R 130
3065	105 33 52,3	13,66	0,299	−0,07	−9.7885	−9.2618	1.1354	9.8647	....	227	iii.1092			
3066	142 8 53,2	13,66	0,193	−0,16	−9.9265	−9.7308	1.1356	9.8645	....	....	v.1246	3620	2280	
3067	143 13 4,6	13,68	0,188	−0,36	−9.9271	−9.7374	1.1360	9.8641	....	....	.....	3622	2284	R 131
3068	57 9 56,2	13,69	0,395	−0,01	+8.4997	+9.5683	1.1364	9.8638	1270	226	iii.1093			
3069	61 30 36,4	13,73	0,383	+0,08	−8.5289	+9.5140	1.1377	9.8626	1273	229	iii.1094			
3070	118 13 31,9	13,74	0,271	−0,10	−9.8615	−9.5104	1.1378	9.8625	....	....	v.1250	3619	2289	
3071	137 59 42,3	13,74	0,211	+0,23	−9.9200	−9.7068	1.1379	9.8624	....	....	v.1251	3628	2291	
3072	35 7 45,9	13,74	0,473	.....	+9.5392	+9.7484	1.1380	9.8624	....	....	.....	....	....	G 1501
3073	148 39 4,8	13,76	0,156	−0,13	−9.9279	−9.7679	1.1386	9.8618	....	....	v.1252	3639	2293	J 210, R 133
3074	72 20 3,5	13,76	0,359	0,00	−9.2849	+9.3185	1.1386	9.8618	1274	231	iii.1095			
3075	42 15 16,1	13,77	0,439	+0,11	+9.3918	+9.7059	1.1388	9.8617	1272	230	ii.1099			
3076	83 46 25,0	13,78	0,337	+0,01	−9.5473	+8.8723	1.1392	9.8613	....	233	iii.1096	....	....	B.F 1277
3077	136 39 22,8	13,79	0,216	+0,14	−9.9169	−9.6991	1.1396	9.8609	....	....	v.1255	3635	2296	
3078	83 45 40,7	13,80	0,336	−0,03	−9.5472	+8.8737	1.1399	9.8607	....	236	iv. 636	....	....	B.F 1278
3079	64 57 42,5	13,80	0,373	+0,07	−8.9355	+9.4643	1.1400	9.8606	1275	234	ii.1100	....	....	M 390
3080	137 42 23,0	13,83	0,212	−0,26	−9.9179	−9.7076	1.1408	9.8599	....	....	v.1256	3641	2299	R 134
3081	130 40 24,5	13,84	0,236	+0,16	−9.9036	−9.6529	1.1410	9.8597	....	242	iii.1098	3638	2300	
3082	116 4 24,4	13,85	0,274	−0,33	−9.8499	−9.4822	1.1414	9.8593	....	....	.....	3636	2301	
3083	38 34 56,7	13,85	0,452	.....	+9.4694	+9.7323	1.1415	9.8592	....	....	.....	....	....	B.F 1273
3084	132 35 18,9	13,86	0,230	−0,18	−9.9077	−9.6701	1.1419	9.8589	....	....	v.1259	3646	2305	
3085	40 52 39,3	13,87	0,441	.....	+9.4185	+9.7184	1.1421	9.8587	....	....	.....	....	....	G 1508
3086	30 3	13,87	0,499	.....	+9.6105	+9.7772	1.1421	9.8587	....	....	.....	....	....	A
3087	22 31 45,6	13,88	0,568	+0,04	+9.6994	+9.8056	1.1423	9.8585	1271	232	iii.1097			
3088	61 30 41,3	13,88	0,378	−0,01	−8.5705	+9.5187	1.1425	9.8584	1278	239	iv. 640			
3089	148 30 37,5	13,91	0,157	−0,51	−9.9247	−9.7720	1.1434	9.8575	....	....	v.1263	3661	2311	J 211, R 135
3090	131 16 41,6	13,92	0,234	+0,17	−9.9037	−9.6607	1.1436	9.8573	....	....	v.1262	3651	2309	
3091	39 47 44,7	13,93	0,444	+0,05	+9.4395	+9.7271	1.1438	9.8571	1277	....	.....	....	....	B 30
3092	140 58 11,0	13,93	0,198	+0,09	−9.9203	−9.7320	1.1439	9.8571	....	....	v.1264	3658	2312	R 136
3093	64 47 57,7	13,94	0,370	.....	−8.9370	+9.4711	1.1442	9.8568	....	....	.....	....	....	B.F 1280
3094	128 48 50,4	13,95	0,241	−0,18	−9.8967	−9.6396	1.1447	9.8563	....	....	v.1266	3655	2314	
3095	78 33 22,8	13,96	0,342	+0,07	−9.4516	+9.1402	1.1449	9.8561	....	244	iii.1099	....	....	M 391
3096	114 54 52,3	13,97	0,275	+0,22	−9.8426	−9.4675	1.1451	9.8559	....	....	v.1267	3652	2315	
3097	50 57 7,3	13,99	0,402	+0,06	+9.0581	+9.6430	1.1459	9.8551	....	245	ii.1103	....	....	B.H 1465
3098	141 35 59,2	14,00	0,195	−0,04	−9.9194	−9.7381	1.1461	9.8549	....	....	v.1271	3667	2320	
3099	22 15 43,2	14,00	0,565	+0,11	+9.6974	+9.8103	1.1462	9.8549	1276	241	iii.1100			
3100	51 7 28,5	14,01	0,401	.....	+9.0465	+9.6419	1.1464	9.8547	....	....	.....	....	....	G 1514
3101	150 22 36,3	14,01	0,145	+0,03	−9.9224	−9.7835	1.1466	9.8545	....	....	v.1272	3673	2322	
3102	72 0 54,8	14,02	0,353	+0,05	−9.2831	+9.3340	1.1466	9.8545	1281	248	iii.1101	....	....	A 187
3103	72 17 19,4	14,05	0,351	.....	−9.2929	+9.3286	1.1476	9.8535	1282	....				
3104	74 7 39,6	14,06	0,348	−0,12	−9.3471	+9.2827	1.1479	9.8532	1283	250	iii.1103			
3105	84 18 42,1	+14,06	+0,329	+0,06	−9.5576	+8.8420	+1.1480	+9.8531	1284	251	ii.1104			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3106*	15 Ursæ Majoris .. *f*	5	8 58 15,49	+4,299	−0,0551	−0,012	−8.8827	+8.8893	+0.6334	−8.7805
3107	Cancri	7	58 26,11	3,340	−0,0135	+0,008	8.6872	8.6931	0.5238	−8.1226
3108*	14 Ursæ Majoris .. *τ*	5	58 29,38	5,032	−0,1049	+0,012	9.0305	9.0362	0.7017	−8.9846
3109	72 Cancri ..... *τ*	6	58 59,11	3,624	−0,0232	+0,004	8.7350	8.7389	0.5592	−8.4373
3110	Velorum ..... *c*	5	58 59,47	2,070	+0,0012	+0,014	8.8337	8.8375	0.3160	+8.6943
3111	76 Cancri ..... *κ*	5	59 37,22	3,259	−0,0113	+0,003	8.6811	8.6826	0.5131	−7.9721
3112	Lyncis	6	59 38,12	3,721	−0,0271	−0,001	8.7566	8.7580	0.5707	−8.5096
3113	75 Cancri	6½	59 57,13	3,558	−0,0208	−0,009	8.7244	8.7246	0.5512	−8.3851
3114	Volantis ..... *α*	4½	9 0 4,02	0,968	−0,0239	−0,006	9.0608	9.0605	9.9857	+9.0208
3115	78 Cancri	7	0 37,39	3,378	−0,0148	−0,001	8.6966	8.6942	0.5287	−8.1883
3116*	Ursæ Majoris	6	0 41,30	6,265	−0,2276	.....	9.2229	9.2203	0.7969	−9.2048
3117	77 Cancri ..... *ξ*	5½	0 43,65	3,464	−0,0176	+0,002	8.7096	8.7069	0.5396	−8.2952
3118*	Ursæ Majoris	8	0 46,43	+4,864	−0,0939	.....	9.0073	9.0044	+0.6870	−8.9544
3119	Carinæ	6	0 49,47	−0,173	−0,0876	+0,053	9.2295	9.2263	−9.2370	+9.2119
3120	19 Hydræ	6	1 21,90	+2,939	−0,0037	+0,002	8.6802	8.6750	+0.4682	+7.8230
3121	Mali	5½	1 27,79	2,628	+0,0007	+0,007	8.7198	8.7142	0.4196	+8.3499
3122	Cancri	6½	1 36,87	3,273	−0,0117	−0,002	8.6863	8.6802	0.5150	−8.0103
3123	79 Cancri	6	1 43,49	3,461	−0,0176	+0,007	8.7114	8.7048	0.5392	−8.2961
3124	20 Hydræ	6	2 15,54	2,936	−0,0037	0,000	8.6821	8.6735	0.4678	+7.8352
3125	16 Ursæ Majoris .. *c*	5	2 26,25	4,832	−0,0928	+0,012	9.0069	8.9976	0.6842	−8.9530
3126	Argûs ..... *λ*	3	2 29,05	2,204	+0,0021	−0,002	8.8127	8.8033	0.3432	+8.6451
3127	Mali	7	3 11,27	2,632	+0,0007	+0,018	8.7228	8.7107	0.4203	+8.3519
3128	Carinæ	6	3 13,69	1,168	−0,0170	+0,005	9.0360	9.0238	0.0676	+8.9893
3129	80 Cancri	6½	3 30,90	3,385	−0,0152	−0,005	8.7034	8.6901	0.5296	−8.2084
3130	Mali ..... *e*	5½	3 35,12	2,539	+0,0015	+0,002	8.7415	8.7279	0.4046	+8.4373
3131	36 Lyncis	5½	3 58,42	3,962	−0,0391	+0,003	8.8227	8.8076	0.5980	−8.6631
3132	81 Cancri ..... π^1	6½	4 4,81	3,330	−0,0135	−0,033	8.6973	8.6818	0.5224	−8.1269
3133*	Hydræ	6	4 22,72	3,143	−0,0082	.....	8.6829	8.6663	0.4974	−7.5754
3134*	Carinæ ..... E	5½	4 22,85	0,532	−0,0450	−0,030	9.1462	9.1296	9.7259	+9.1190
3135	17 Ursæ Majoris	5½	4 40,63	4,516	−0,0718	+0,001	8.9502	8.9325	0.6548	−8.8755
3136	Carinæ ..... G	5	4 43,28	0,221	−0,0632	−0,021	9.1922	9.1743	9.3448	+9.1704
3137	21 Hydræ	6	5 1,49	2,965	−0,0042	−0,001	8.6855	8.6665	0.4721	+7.7392
3138	Cancri	6	5 2,78	3,442	−0,0172	+0,005	8.7153	8.6962	0.5368	−8.2870
3139	Velorum	6	5 11,85	1,903	0,0000	.....	8.8902	8.8705	0.2795	+8.7846
3140	18 Ursæ Majoris .. *e*	5	5 21,69	4,371	−0,0627	+0,011	8.9208	8.9005	0.6406	−8.8322
3141	Carinæ	6	5 31,81	0,671	−0,0381	.....	9.1287	9.1078	9.8270	+9.0988
3142	Velorum	5½	5 38,25	2,172	+0,0022	+0,003	8.8288	8.8074	0.3369	+8.6726
3143	Velorum	6	5 50,60	2,334	+0,0026	−0,019	8.7915	8.7694	0.3681	+8.5871
3144	Lyncis	6	5 59,91	3,721	−0,0282	−0,015	8.7724	8.7497	0.5707	−8.5337
3145*	Velorum	6	6 15,79	2,120	+0,0021	+0,039	8.8430	8.8192	0.3263	+8.6997
3146	22 Hydræ ..... *θ*	4½	6 33,53	3,118	−0,0076	+0,013	8.6860	8.6612	0.4939	−7.3967
3147	82 Cancri ..... *π*	6	6 56,63	3,326	−0,0136	−0,001	8.7024	8.6760	0.5219	−8.1309
3148	Velorum	6	6 57,65	2,216	+0,0025	−0,009	8.8221	8.7957	0.3456	+8.6558
3149	Carinæ ..... *a*	5	7 1,17	1,584	−0,0054	−0,022	8.9664	8.9398	0.1998	+8.8965
3150	Ursæ Majoris	6	9 7 25,50	+4,066	−0,0456	−0,008	−8.8568	+8.8287	+0.6092	−8.7240

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3106	37 47 37,9	+14,07	+0,447	+0,05	+9.4729	+9.7439	+1.1484	+9.8528	1280	249	iii.1102	....	....	G 1516
3107	74 11 4,6	14,08	0,347	+0,10	−9.3493	+9.2819	1.1487	9.8524	....	252	iii.1105			
3108	25 52 52,7	14,09	0,522	+0,09	+9.6542	+9.8007	1.1488	9.8523	1279	247	iii.1104	....	....	G 1515
3109	59 44 50,6	14,12	0,375	+0,05	−8.2330	+9.5498	1.1498	9.8514	1285	253	iii.1106			
3110	136 30 11,6	14,12	0,214	+0,08	−9.9106	−9.7082	1.1498	9.8514	....	....	v.1274	3677	2326	J 212,R137
3111	78 43 49,4	14,16	0,337	−0,03	−9.4582	+9.1398	1.1510	9.8502	1287	255	ii.1106	....	....	M 392
3112	55 30 47,0	14,16	0,384	+0,24	+8.6365	+9.6018	1.1510	9.8502	....	254	iii.1107			
3113	62 45 11,9	14,18	0,367	+0,39	−8.7924	+9.5101	1.1516	9.8496	1286	256	ii.1107			
3114	155 47 54,3	14,19	0,100	+0,12	−9.9152	−9.8097	1.1518	9.8494	....	....	ii.1110	3696	2334	J 213,R138
3115	71 55 31,4	14,22	0,347	−0,01	−9.2871	+9.3424	1.1529	9.8483	1290	258	ii.1108			
3116	16 26 19,2	14,22	0,644	.....	+9.7430	+9.8327	1.1530	9.8482	....	....	.....	....	....	B.F 1283
3117	67 21 2,8	14,23	0,356	−0,02	−9.1109	+9.4364	1.1531	9.8481	1289	259	ii.1109	....	....	M 393
3118	27 42 57,6	14,23	+0,500	.....	+9.6254	+9.7980	1.1532	9.8480	....	....	.....	....	....	B.F 1284
3119	163 48 12,7	14,23	−0,018	−0,72	−9.9018	−9.8335	1.1533	9.8479	....	....	.....	3709	2341	
3120	97 59 6,3	14,27	+0,301	−0,01	−9.7221	−8.9948	1.1543	9.8469	1292	264	iii.1108			
3121	115 15 20,6	14,27	0,269	+0,01	−9.8403	−9.4823	1.1545	9.8467	....	265	ii.1112	3685	2338	
3122	77 49 38,8	14,28	0,335	+0,13	−9.4412	+9.1765	1.1547	9.8464	....	263	iii.1109	....	....	M 395
3123	67 23 52,5	14,29	0,354	+0,01	−9.1169	+9.4374	1.1550	9.8462	1291	262	ii.1111	....	....	M 394
3124	98 10 48,7	14,32	0,300	−0,04	−9.7236	−9.0069	1.1559	9.8452	1294	267	ii.1113			
3125	27 57 47,9	14,33	0,493	+0,06	+9.6174	+9.8001	1.1563	9.8448	1288	261	iii.1110			
3126	132 49 45,7	14,33	0,225	+0,08	−9.8997	−9.6865	1.1564	9.8447	....	1	ii.1114	3699	2346	J 214,R139
3127	115 11 51,5	14,38	0,268	+0,11	−9.8385	−9.4846	1.1577	9.8434	....	5	iv. 647	3698		
3128	153 53 50,5	14,38	0,119	−0,18	−9.9122	−9.8088	1.1577	9.8433	....	....	.....	3712	2357	
3129	71 20 38,7	14,40	0,344	0,00	−9.2753	+9.3610	1.1583	9.8427	1296	3	iii.1111			
3130	119 45 23,6	14,40	0,258	+0,11	−9.8586	−9.5519	1.1584	9.8426	....	7	ii.1115	3702	2352	W 540
3131	46 10 2,2	14,43	0,402	+0,05	+9.2256	+9.6973	1.1591	9.8418	1295	2	iii.1112			
3132	74 24 8,5	14,43	0,337	−0,28	−9.3642	+9.2866	1.1593	9.8416	1298	6	ii.1116	....	2356	M 396
3133	85 31 18,0	14,45	0,318	.....	−9.5781	+8.7502	1.1599	9.8410	....	....	.....	....	....	B.F 1301
3134	159 56 11,1	14,45	0,054	+0,01	−9.9033	−9.8304	1.1599	9.8410	....	....	.....	3730	2369	R 140
3135	32 38 27,1	14,47	0,456	+0,07	+9.5430	+9.7835	1.1604	9.8404	1293	4	iii.1113			
3136	162 0 6,6	14,47	0,022	+0,52	−9.8991	−9.8365	1.1605	9.8404	....	....	ii.1120	3736	2374	J 215,R141
3137	96 29 52,7	14,49	0,299	−0,01	−9.7071	−8.9125	1.1610	9.8398	1301	11	ii.1119			
3138	68 6 3,4	14,49	0,347	+0,01	−9.1605	+9.4305	1.1611	9.8397	1299	....	ii.1117	....	....	W 542
3139	141 38 31,2	14,50	0,192	.....	−9.9091	−9.7535	1.1613	9.8394	....	....	.....	3722	2371	
3140	35 21 48,9	14,51	0,440	−0,02	+9.4939	+9.7708	1.1616	9.8391	1297	8	ii.1118			
3141	158 58 18,2	14,52	0,068	.....	−9.9029	−9.8298	1.1619	9.8388	....	....	.....	....	2379	
3142	134 15 23,5	14,53	0,218	+0,15	−9.8987	−9.7037	1.1621	9.8385	....	17	iii.1116	3723	2376	
3143	128 38 45,4	14,54	0,235	+0,01	−9.8860	−9.6558	1.1625	9.8381	....	....	v.1300	3721	2378	
3144	54 45 9,5	14,55	0,374	+0,03	+8.6325	+9.6218	1.1628	9.8378	1300	14	iii.1115	....	....	B.F 1302
3145	135 58 16,6	14,56	0,213	−0,07	−9.9009	−9.7178	1.1633	9.8373	....	....	v.1301	3727	2380	
3146	87 3 19,9	14,58	0,312	+0,32	−9.6000	+8.5723	1.1638	9.8367	1303	18	ii.1121			
3147	74 26 20,9	14,60	0,332	−0,02	−9.3696	+9.2908	1.1645	9.8359	1304	20	ii.1122	....	2384	M 397
3148	132 59 52,9	14,61	0,222	−0,04	−9.8948	−9.6961	1.1645	9.8359			v.1306	3729	2387	
3149	148 21 19,5	14,61	0,158	+0,36	−9.9090	−9.7925	1.1646	9.8358	....	....	ii.1123	3738	2388	J 216,R142
3150	42 33 40,2	+14,63	+0,406	−0,03	+9.3226	+9.7303	+1.1653	+9.8350	....	19	iii.1117	....	....	G 1528

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3151	Velorum	6	9 7 39,60	+2,258	+0,0027	+0,002	−8.8140	+8.7850	+0.3537	+8.6367
3152*	Carinæ .....*i*	5	7 52,21	1,376	−0,0107	−0,022	9.0120	8.9821	0.1386	+8.9567
3153	Velorum	6	8 19,35	2,104	+0,0021	+0,015	8.8526	8.8210	0.3230	+8.7147
3154	Velorum	7	8 28,83	1,924	+0,0005	.....	8.8954	8.8632	0.2843	+8.7893
3155	Velorum	6	8 37,34	2,207	+0,0026	+0,008	8.8288	8.7960	0.3438	+8.6668
3156	Velorum .....*z*	6	8 49,21	2,235	+0,0027	+0,007	8.8226	8.7891	0.3493	+8.6532
3157*	20 Ursæ Majoris	7	8 57,86	4,669	−0,0853	+0,015	8.9962	8.9622	0.6692	−8.9355
3158*	Velorum .....k^1	6	8 58,55	2,387	+0,0026	+0,004	8.7873	8.7533	0.3779	+8.5666
3159*	Carinæ	6	8 59,91	1,572	−0,0056	+0,002	8.9754	8.9412	0.1965	+8.9075
3160	23 Hydræ	6	9 14,71	2,980	−0,0044	−0,001	8.6924	8.6573	0.4742	+7.6917
3161	24 Hydræ	6	9 20,22	2,941	−0,0036	−0,003	8.6948	8.6594	0.4685	+7.8448
3162	38 Lyncis	4	9 29,81	3,764	−0,0309	−0,001	8.7908	8.7548	0.5756	−8.5746
3163	Velorum.....*l*	5	9 42,55	2,365	+0,0028	+0,006	8.7942	8.7573	0.3739	+8.5830
3164*	Leonis	7	9 42,93	3,265	−0,0118	+0,009	8.7009	8.6640	0.5139	−8.0232
3165	Velorum .....k^2	5½	9 45,38	2,394	+0,0027	+0,011	8.7876	8.7506	0.3792	+8.5649
3166	Velorum	6	9 49,37	2,169	+0,0026	+0,001	8.8412	8.8040	0.3362	+8.6902
3167	Velorum	6	9 50,98	1,782	−0,0014	−0,039	8.9322	8.8948	0.2509	+8.8453
3168	25 Hydræ	7	10 16,03	2,890	−0,0025	−0,001	8.7006	8.6616	0.4609	+7.9940
3169*	Ursæ Majoris	6	10 17,27	4,221	−0,0556	+0,001	8.9016	8.8626	0.6254	−8.7975
3170*	Leonis	6½	10 28,34	3,527	−0,0209	−0,003	8.7420	8.7023	0.5475	−8.3973
3171	83 Cancri	6	10 36,15	3,369	−0,0152	−0,008	8.7152	8.6750	0.5275	−8.2130
3172*	Ursæ Majoris	6	10 40,27	4,475	−0,0724	.....	8.9605	8.9200	0.6508	−8.8857
3173	Velorum	6	10 51,03	2,213	+0,0028	+0,010	8.8335	8.7923	0.3449	+8.6724
3174	Velorum	6	11 4,64	2,349	+0,0030	+0,003	8.8015	8.7595	0.3708	+8.5982
3175	Carinæ	6	11 10,97	1,646	−0,0039	−0,017	8.9665	8.9241	0.2165	+8.8938
3176	Leonis	7	11 26,33	3,236	−0,0110	−0,004	8.7012	8.6578	0.5099	−7.9585
3177	Argûs .....β	1	11 32,18	0,723	−0,0372	−0,033	9.1419	9.0981	9.8588	+9.1123
3178	40 Lyncis .....α	4	11 54,29	3,698	−0,0283	−0,016	8.7816	8.7364	0.5680	−8.5404
3179	Carinæ .....*g*	5½	11 58,31	1,697	−0,0029	+0,013	8.9578	8.9124	0.2298	+8.8810
3180	Mali	6	12 7	2,675	+0,0009	.....	8.7340	8.6879	0.4274	+8.3407
3181	Cancri	7½	12 11,13	3,391	−0,0161	−0,001	8.7216	8.6753	0.5303	−8.2498
3182*	Ursæ Majoris	6	12 16,87	4,142	−0,0517	+0,009	8.8890	8.8424	0.6172	−8.7744
3183*	Leonis	7	12 26,41	3,502	−0,0203	−0,022	8.7413	8.6941	0.5443	−8.3801
3184	26 Hydræ	5½	12 33,12	2,892	−0,0025	+0,003	8.7045	8.6568	0.4611	+7.9983
3185*	Hydræ	7	13 1,99	2,930	−0,0032	+0,004	8.7021	8.6526	0.4669	+7.8953
3186	Argûs .....*t*	2	13 4,63	1,610	−0,0047	−0,008	8.9806	8.9309	0.2068	+8.9120
3187	Velorum .....K	5	13 6,71	1,994	+0,0016	+0,012	8.8927	8.8429	0.2998	+8.7796
3188	27 Hydræ	5½	13 9,75	2,931	−0,0033	+0,002	8.7023	8.6523	0.4670	+7.8928
3189	Carinæ	6	13 29,35	1,317	−0,0127	.....	9.0426	8.9914	0.1194	+8.9931
3190	Mali	6	13 35,49	+2,484	+0,0026	+0,002	8.7764	8.7248	+0.3951	+8.5180
3191*	Carinæ ..... F	6	13 40,24	−0,497	−0,1254	.....	9.3152	9.2632	−9.6967	+9.3021
3192*	Mali	6	14 23,49	+2,537	+0,0024	−0,001	8.7665	8.7118	+0.4043	+8.4800
3193	Velorum	6	14 28,21	2,406	+0,0031	−0,014	8.7965	8.7415	0.3813	+8.5754
3194*	Leonis	7½	14 50,51	3,498	−0,0204	−0,006	8.7455	8.6890	0.5438	−8.3845
3195	Mali .....*h*	5	9 14 51,55	+2,653	+0,0013	+0,010	−8.7437	+8.6872	+0.4238	+8.3750

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3151	131 39 28,2	+14,65	+0,225	−0,12	−9.8911	−9.6861	+1.1658	+9.8345	....	....	v.1308	3732	2390	
3152	151 42 9,9	14,66	0,137	−0,03	−9.9067	−9.8086	1.1661	9.8341	....	....	v.1309	3753	2394	J217, R143
3153	136 43 15,9	14,69	0,209	+0,20	−9.8994	−9.7269	1.1669	9.8331	....	....	v.1310	3743	2395	
3154	141 33 54,5	14,70	0,191	.....	−9.9046	−9.7589	1.1672	9.8328	....	....	.....	....	2396	R 144
3155	133 31 33,4	14,70	0,219	0,00	−9.8938	−9.7032	1.1674	9.8325	....	....	v.1312	3744	2397	
3156	132 36 28,9	14,72	0,222	+0,01	−9.8917	−9.6962	1.1678	9.8321	....	33	iii.1120	3749	2400	
3157	29 35 30,4	14,72	0,462	+0,14	+9.5753	+9.8051	1.1680	9.8318	1302	23	iii.1119			
3158	126 58 52,6	14,73	0,236	+0,04	−9.8780	−9.6451	1.1681	9.8318	....	34	iii.1121	3748	2401	
3159	148 47 43,9	14,73	0,156	−0,16	−9.9060	−9.7980	1.1681	9.8317	....	....	v.1314	3760	2404	
3160	95 43 49,1	14,74	0,295	+0,01	−9.6985	−8.8657	1.1685	9.8312	1307	30	ii.1126			
3161	98 7 13,3	14,75	0,291	−0,05	−9.7204	−9.0165	1.1687	9.8311	1308	32	ii.1127			
3162	52 33 55,6	14,76	0,372	+0,04	+8.8261	+9.6506	1.1690	9.8307	1305	29	ii.1125			
3163	127 56 44,4	14,77	0,233	−0,20	−9.8798	−9.6559	1.1693	9.8303	....	40	ii.1129	3756	2407	
3164	77 52 21,8	14,77	0,322	+0,03	−9.4506	+9.1895	1.1694	9.8303	....	35	ii.1128	....	....	B.F 1310
3165	126 47 21,8	14,77	0,236	−0,05	−9.8766	−9.6446	1.1694	9.8302	....	41	iii.1123	3755	2408	
3166	134 56 0,2	14,78	0,214	−0,14	−9.8948	−9.7163	1.1695	9.8301	....	....	v.1318	3758	2409	
3167	144 57 8,1	14,78	0,176	+0,39	−9.9046	−9.7805	1.1696	9.8300	....	....	v.1319	3762	2410	
3168	101 20 4,3	14,80	0,284	+0,06	−9.7467	−9.1615	1.1703	9.8291	1311	43	iii.1125			
3169	38 6 40,6	14,80	0,415	−0,10	+9.4200	+9.7640	1.1704	9.8291	1306	31	iii.1124	....	....	B.F 1308
3170	63 7 8,3	14,81	0,347	+0,04	−8.9154	+9.5237	1.1707	9.8287	....	38	iii.1127	....	....	M 399
3171	71 39 42,5	14,82	0,331	+0,16	−9.3010	+9.3665	1.1709	9.8284	1309	42	ii.1130			
3172	32 40 9,6	14,83	0,440	.....	+9.5219	+9.7940	1.1710	9.8283	....	....	.....	....	....	B.F 1307
3173	133 38 28,8	14,84	0,217	+0,10	−9.8912	−9.7080	1.1713	9.8279	....	....	v.1320	3764	2416	
3174	128 46 17,0	14,85	0,230	−0,56	−9.8804	−9.6662	1.1717	9.8274	....	....	v.1321	3765	2417	
3175	147 45 46,6	14,86	0,161	−0,30	−9.9029	−9.7970	1.1719	9.8272	....	....	w.1322	3776	2418	
3176	79 34 53,8	14,87	0,317	+0,05	−9.4850	+9.1274	1.1723	9.8267	....	46	iii.1128	....	....	M 400
3177	159 6 0,6	14,88	0,071	−0,09	−9.8928	−9.8407	1.1725	9.8265	....	....	ii.1133	3791	2425	J218, R145
3178	54 58 37,2	14,90	0,361	+0,02	+8.4594	+9.6298	1.1731	9.8257	1312	48	ii.1131	....	....	
3179	146 54 50,0	14,90	0,166	−0,18	−9.9018	−9.7942	1.1733	9.8256	....	....	v.1326	3782	2424	
3180	113 51	14,91	0,261	.....	−9.8243	−9.4780	1.1735	9.8253	....	....	.....	....	....	A
3181	70 16 43,3	14,91	0,331	+0,11	−9.2622	+9.3996	1.1736	9.8251	....	50	iii.1130	....	....	M 401
3182	39 49 17,6	14,92	0,404	+0,04	+9.3716	+9.7569	1.1738	9.8249	1310	47	iii.1129	....	....	B.F 1311
3183	64 11 51,7	14,93	0,341	.....	−9.0004	+9.5106	1.1740	9.8246	1313	....	ii.1132			
3184	101 20 39,0	14,94	0,281	−0,02	−9.7457	−9.1658	1.1742	9.8244	1314	53	ii.1134			
3185	98 58 32,1	14,96	0,285	−0,02	−9.7264	−9.0660	1.1751	9.8233	1316	56	iv. 664	....	....	B.F 1319
3186	148 38 49,6	14,97	0,156	−0,07	−9.9000	−9.8044	1.1751	9.8232	....	....	v.1329	3792	2429	J 219
3187	140 25 23,2	14,97	0,194	+0,06	−9.8974	−9.7599	1.1752	9.8232	....	....	v.1328	3786	2428	
3188	98 55 17,0	14,97	0,284	+0,01	−9.7258	−9.0636	1.1753	9.8231	1317	57	ii.1136			
3189	153 8 43,5	14,99	0,128	.....	−9.8969	−9.8240	1.1758	9.8224	....	....	.....	....	2432	
3190	123 28 11,3	15,00	+0,241	−0,13	−9.8623	−9.6153	1.1760	9.8221	....	....	v.1330	3784	2430	
3191	166 2 2,8	15,00	−0,048	.....	−9.8744	−9.8609	1.1761	9.8220	....	....	.....	3817		
3192	121 7 35,1	15,04	+0,245	+0,06	−9.8533	−9.5885	1.1773	9.8204	....	61	iii.1132	3790	2433	
3193	126 56 43,9	15,05	0,232	+0,01	−9.8716	−9.6542	1.1775	9.8203	....	....	v.1332	3795	2434	
3194	64 10 42,3	15,07	0,337	−0,03	−9.0137	+9.5149	1.1781	9.8195	1318	60	iii.1134	....	....	B.F 1322
3195	115 19 44,2	+15,07	+0,255	−0,11	−9.8290	−9.5071	+1.1781	+9.8194	....	63	ii.1138	3793	2436	P396, J220

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3196	21 Ursæ Majoris	7	9 14 58,35	+4,314	−0,0638	+0,005	−8.9377	+8.8808	+0.6349	−8.8492
3197	Velorum	6	14 58,36	1,832	−0,0004	+0,003	8.9366	8.8797	0.2630	+8.8476
3198	Carinæ	6	15 10,48	0,884	−0,0300	−0,013	9.1278	9.0701	9.9466	+9.0952
3199*	Draconis	5	15 15,21	9,321	−0,8153	−0,063	9.5559	9.4979	0.9695	−9.5517
3200	Carinæ	6	15 17,72	1,054	−0,0226	+0,013	9.0984	9.0403	0.0229	+9.0605
3201*	Leonis	6½	15 23,35	3,510	−0,0210	−0,003	8.7491	8.6906	0.5454	−8.3996
3202	Leonis	6½	15 30,59	3,200	−0,0100	+0,004	8.7055	8.6466	0.5051	−7.8678
3203	Hydræ	7	15 46,88	3,161	−0,0089	+0,015	8.7036	8.6436	0.4998	−7.7127
3204	1 Leonis .....κ	5	15 54,60	3,514	−0,0211	0,000	8.7510	8.6905	0.5459	−8.4054
3205*	Velorum	6	16 5,69	2,293	+0,0034	+0,011	8.8278	8.7666	0.3605	+8.6495
3206	Leonis	7	16 18,37	3,397	−0,0166	−0,008	8.7304	8.6684	0.5311	−8.2733
3207	Mali	5½	16 43,33	2,602	+0,0020	+0,003	8.7577	8.6941	0.4153	+8.4321
3208	Velorum	6	16 56,01	2,185	+0,0033	+0,015	8.8569	8.7925	0.3395	+8.7094
3209	Leonis	7	17 13,52	3,341	−0,0146	+0,005	8.7236	8.6581	0.5239	−8.1952
3210	Velorum	6	17 16,51	+1,831	−0,0002	−0,030	8.9439	8.8782	+0.2628	+8.8566
3211	Octantis .....ζ	5½	17 19,64	−7,000	−1,4614	−0,184	9.7684	9.7024	−0.8451	+9.7667
3212	Carinæ .....k	5½	17 20,65	+1,448	−0,0088	−0,013	9.0290	8.9630	+0.1608	+8.9740
3213	Argûs .....κ	3	17 28,39	1,856	+0,0002	−0,005	8.9388	8.8723	0.2685	+8.8488
3214*	Carinæ	6	17 36,31	+0,014	−0,0853	−0,008	9.2669	9.1999	+8.1492	+9.2500
3215	Carinæ	5½	17 38,08	−0,018	−0,0879	−0,029	9.2712	9.2041	−8.2553	+9.2546
3216	28 Hydræ .....A	6	17 54,09	+3,003	−0,0048	+0,002	8.7061	8.6380	+0.4775	+7.5982
3217	Velorum	6	18 7,34	2,119	+0,0031	+0,005	8.8767	8.8077	0.3261	+8.7453
3218	41 Lyncis	5½	18 48,72	3,974	−0,0442	+0,003	8.8665	8.7949	0.5992	−8.7253
3219	Velorum	6	18 58,50	2,000	+0,0021	−0,011	8.9085	8.8363	0.3011	+8.7996
3220*	Ursæ Majoris	7	19 2,63	4,370	−0,0697	.....	8.9636	8.8911	0.6405	−8.8842
3221*	23 Ursæ Majoris .. h	4	19 38,75	4,814	−0,1052	+0,019	9.0613	8.9865	0.6825	−9.0139
3222	29 Hydræ	6½	19 54,03	2,941	−0,0032	+0,001	8.7129	8.6371	0.4685	+7.8864
3223	30 Hydræ .....α	2	20 12,97	2,950	−0,0034	+0,001	8.7128	8.6358	0.4698	+7.8569
3224	Mali	6	20 13,06	2,612	+0,0022	0,000	8.7631	8.6861	0.4169	+8.4367
3225	Carinæ	6	20 17,60	1,523	−0,0067	−0,012	9.0231	8.9458	0.1826	+8.9649
3226	Hydræ	5	20 20,77	2,989	−0,0044	.....	8.7107	8.6331	0.4756	+7.6858
3227	2 Leonis .....ω	6	20 25,30	3,217	−0,0107	+0,006	8.7151	8.6373	0.5075	−7.9420
3228*	3 Leonis	6½	20 29,73	3,204	−0,0103	−0,005	8.7141	8.6361	0.5057	−7.9007
3229	Velorum	6½	20 34,24	1,899	+0,0011	−0,024	8.9380	8.8596	0.2786	+8.8449
3230*	Velorum	6	20 34,31	2,355	+0,0038	−0,005	8.8239	8.7455	0.3721	+8.6306
3231*	22 Ursæ Majoris	6	20 36,72	5,849	−0,2153	+0,012	9.2399	9.1614	0.7671	−9.2202
3232*	24 Ursæ Majoris .. d	5	21 8,02	5,481	−0,1730	+0,001	9.1861	9.1056	0.7389	−9.1604
3233*	Hydræ	6	21 21,55	2,990	−0,0043	.....	8.7123	8.6308	0.4756	+7.6866
3234	Velorum	6½	21 22,78	2,035	+0,0027	+0,016	8.9071	8.8256	0.3085	+8.7946
3235	Antliæ	6½	21 25,38	2,488	+0,0033	−0,001	8.7937	8.7120	0.3958	+8.5452
3236	Velorum I	6	21 25,54	1,950	+0,0018	−0,003	8.9283	8.8466	0.2900	+8.8291
3237	31 Hydræ .....τ¹	5½	21 32,28	3,039	−0,0056	+0,013	8.7109	8.6288	0.4827	+7.2782
3238*	7 Leonis Minoris ..	6	21 38,66	3,652	−0,0281	+0,007	8.7938	8.7113	0.5625	−8.5448
3239	Carinæ	6	21 42,76	1,515	−0,0070	−0,035	9.0295	8.9467	0.1803	+8.9726
3240	Hydræ	6½	9 21 48,47	+3,048	−0,0058	+0,007	−8.7112	+8.6280	+0.4839	+7.1440

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3196	35 20 35,6	+15,08	+0,415	+0,07	+9.4577	+9.7876	+1.1783	+9.8192	1315	58	iii.1133			
3197	144 33 12,8	15,08	0,176	+0,08	−9.8970	−9.7871	1.1783	9.8192	....	....	v.1335	3800	2440	
3198	158 3 24,5	15,09	0,085	−0,17	−9.8884	−9.8438	1.1786	9.8187	....	....	.....	3811	2444	
3199	8 1 6,5	15,09	0,895	+0,04	+9.7720	+9.8723	1.1788	9.8186	....	37	ii.1135	....	....	B.H 685
3200	156 25 5,0	15,10	0,101	−0,15	−9.8904	−9.8388	1.1788	9.8185	....	....	.....	3809	2445	
3201	63 26 23,8	15,10	0,337	+0,02	−8.9731	+9.5272	1.1790	9.8183	1319	62	iii.1135	....	....	M 402
3202	81 38 45,4	15,11	0,307	+0,10	−9.5235	+9.0392	1.1792	9.8180	....	66	iii.1137	....	....	M 404
3203	84 8 22,6	15,12	0,303	−0,04	−9.5618	+8.8865	1.1796	9.8174	....	69	ii.1139	....	....	W 550
3204	63 10 28,2	15,13	0,336	+0,03	−8.9595	+9.5321	1.1799	9.8171	1320	67	ii.1140	....	....	M 403
3205	131 33 19,1	15,14	0,219	+0,06	−9.8806	−9.6997	1.1802	9.8167	....	....	v.1337	3803	2446	
3206	69 34 8,7	15,15	0,325	+0,20	−9.2504	+9.4212	1.1805	9.8163	1321	....	ii.1141	....	....	W 551
3207	118 11 40,2	15,18	0,248	−0,02	−9.8397	−9.5533	1.1812	9.8154	....	75	ii.1142	3804	2451	
3208	135 24 38,0	15,19	0,208	+0,14	−9.8863	−9.7319	1.1815	9.8149	....	....	v.1339	3808	2454	
3209	72 46 11,5	15,21	0,318	0,00	−9.3452	+9.3514	1.1820	9.8143	....	74	ii.1143	....	....	W 552
3210	144 52 52,9	15,21	+0,174	+0,39	−9.8937	−9.7926	1.1821	9.8142	....	....	v.1341	3813	2457	
3211	175 3 18,4	15,21	−0,665	+0,01	−9.8367	−9.8783	1.1822	9.8140	....	....	.....	3953	2491	
3212	151 46 0,4	15,21	+0,138	−0,06	−9.8918	−9.8250	1.1822	9.8140	....	....	v.1342	3823	2461	R 147
3213	144 22 20,2	15,22	0,176	+0,07	−9.8933	−9.7902	1.1824	9.8137	....	....	ii.1144	3816	2459	J221, R146
3214	164 6 38,7	15,23	+0,001	+1,08	−9.8720	−9.8635	1.1826	9.8134	....	....	.....	3845	2469	R 149
3215	164 16 10,6	15,23	−0,002	+0,95	−9.8715	−9.8639	1.1827	9.8134	....	....	.....	3846	2470	R 150
3216	94 28 25,0	15,24	+0,285	+0,03	−9.6842	−8.7730	1.1831	9.8128	1326	77	ii.1145			
3217	137 38 41,0	15,26	0,201	−0,11	−9.8876	−9.7499	1.1835	9.8123	....	....	v.1345	3820	2464	R 148
3218	43 44 38,2	15,30	0,375	+0,13	+9.2230	+9.7412	1.1846	9.8107	1325	78	iii.1139			
3219	141 5 39,0	15,31	0,189	+0,04	−9.8895	−9.7737	1.1848	9.8104	....	....	v.1351	3830	2474	
3220	33 36 8,1	15,31	0,412	.....	+9.4739	+9.8033	1.1850	9.8102	....	....	.....	....	....	B.F 1326
3221	26 17 11,4	15,34	0,452	−0,04	+9.5857	+9.8363	1.1859	9.8089	1323	82	ii.1146			
3222	98 34 28,2	15,36	0,276	−0,01	−9.7202	−9.0576	1.1863	9.8083	1327	87	iii.1143			
3223	98 0 40,5	15,38	0,276	−0,03	−9.7153	−9.0287	1.1868	9.8076	1330	89	ii.1147	....	2478	M 406
3224	118 8 17,2	15,38	0,245	−0,19	−9.8360	−9.5582	1.1868	9.8076	....	....	v.1354	3833	2479	
3225	151 0 2,7	15,38	0,143	−0,05	−9.8875	−9.8265	1.1869	9.8074	....	....	v.1357	3847	2485	
3226	95 25 7,7	15,38	0,280	.....	−9.6925	−8.8599	1.1870	9.8073	....	....	.....	....	....	A 196
3227	80 17 35,5	15,39	0,301	+0,04	−9.5047	+9.1118	1.1871	9.8071	1328	88	ii.1149	....	....	M 405
3228	81 9 37,6	15,39	0,300	+0,04	−9.5189	+9.0716	1.1873	9.8070	1329	90	ii.1150			
3229	143 49 1,0	15,40	0,178	+0,21	−9.8885	−9.7921	1.1874	9.8068	....	....	v.1359	3842	2487	
3230	129 51 14,1	15,40	0,220	−0,01	−9.8715	−9.6919	1.1874	9.8068	....	93	iii.1144	3836	2482	
3231	17 8 0,7	15,40	0,547	+0,10	+9.6853	+9.8655	1.1874	9.8067	1322	83	iii.1142			
3232	19 30 56,1	15,43	0,511	−0,02	+9.6602	+9.8604	1.1883	9.8055	1324	86	ii.1148			
3233	95 24 31,2	15,44	0,278	.....	−9.6921	−8.8607	1.1886	9.8050	....	....	.....	....	....	B.F 1335
3234	140 31 31,2	15,44	0,189	−0,12	−9.8856	−9.7740	1.1887	9.8049	....	....	v.1364	3851	2494	
3235	124 21 22,3	15,44	0,232	+0,07	−9.8564	−9.6380	1.1887	9.8048	....	....	v.1363	3841	2493	
3236	142 43 46,0	15,44	0,181	−0,09	−9.8868	−9.7873	1.1887	9.8048	....	....	v.1365	3854	2495	
3237	92 6 58,1	15,45	0,283	+0,04	−9.6601	−8.4540	1.1889	9.8046	1334	94	ii.1151			
3238	55 41 21,0	15,46	0,339	+0,11	+6.8451	+9.6379	1.1891	9.8043	1331	92	iii.1145			
3239	151 18 17,1	15,46	0,141	+0,01	−9.8849	−9.8301	1.1892	9.8042	....	....	v.1367	3866	2498	R 151
3240	91 33 7,9	+15,47	+0,283	0,00	−9.6542	−8.3199	+1.1893	+9.8040	....	96	iii.1146	....	....	B.F 1339

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3241	8 Leonis Minoris ..	6	9 22 23,90	+3,682	−0,0296	−0,002	−8.8027	+8.7172	+0.5661	−8.5694
3242	25 Ursæ Majoris .. θ	3	22 47,65	4,169	−0,0578	−0,120	8.9267	8.8397	0.6200	−8.8253
3243	Mali	6½	23 2,38	2,659	+0,0018	+0,003	8.7590	8.6711	0.4248	+8.3999
3244*	Antliæ ..... ε	5½	23 3,65	2,472	+0,0036	+0,001	8.8012	8.7132	0.3930	+8.5630
3245*	Ursæ Majoris	8	23 7,31	5,793	−0,2129	−0,019	9.2409	9.1527	0.7629	−9.2209
3246	4 Leonis .....λ	4½	23 9,30	3,440	−0,0189	+0,001	8.7511	8.6628	0.5366	−8.3540
3247*	Velorum	neb.	23 14,61	1,802	−0,0003	.....	8.9695	8.8808	0.2558	+8.8897
3248	Mali	6	23 15,53	2,660	+0,0018	+0,003	8.7594	8.6706	0.4249	+8.4002
3249	Carinæ ..... n	5	23 29,12	1,319	−0,0131	−0,001	9.0762	8.9865	0.1202	+9.0309
3250	5 Leonis .....ξ	5	23 51,45	3,249	−0,0118	−0,004	8.7237	8.6326	0.5118	−8.0403
3251	6 Leonis ..... h	6	23 54,95	3,225	−0,0111	+0,003	8.7214	8.6301	0.5085	−7.9769
3252	9 Leonis Minoris ..	6	24 17,06	3,707	−0,0312	+0,004	8.8134	8.7206	0.5690	−8.5943
3253	32 Hydræ .....τ^2	6	24 20,11	3,063	−0,0062	+0,005	8.7150	8.6220	0.4861	+6.6784
3254	Antliæ .....ζ^1	6	24 20,81	2,561	+0,0031	+0,005	8.7829	8.6900	0.4085	+8.4977
3255	Leonis	6½	24 30,63	3,536	−0,0232	−0,008	8.7735	8.6799	0.5486	−8.4595
3256	26 Ursæ Majoris	5½	24 31,02	4,173	−0,0588	−0,003	8.9329	8.8393	0.6204	−8.8336
3257	Argûs .....ψ	4	24 48,15	2,372	+0,0042	−0,005	8.8302	8.7355	0.3752	+8.6366
3258	Hydræ	7½	24 56,21	3,108	−0,0074	+0,011	8.7163	8.6210	0.4924	−7.3605
3259	Velorum	6	24 58,21	2,042	+0,0031	−0,014	8.9157	8.8203	0.3101	+8.8054
3260	Carinæ	6	25 0,44	1,522	−0,0067	−0,037	9.0390	8.9434	0.1823	+8.9834
3261	10 Leonis Minoris ..	5	25 1,27	3,703	−0,0312	+0,004	8.8140	8.7184	0.5685	−8.5940
3262	Antliæ .....ζ^2	6	25 7,10	2,564	+0,0031	−0,018	8.7840	8.6881	0.4089	+8.4986
3263	Carinæ	6	25 34,90	1,193	−0,0180	−0,015	9.1083	9.0105	0.0766	+9.0692
3264	Carinæ	6	25 37,01	0,655	−0,0451	+0,010	9.2032	9.1053	9.8162	+9.1787
3265*	Lyncis	6	25 41,26	3,777	−0,0352	−0,005	8.8345	8.7364	0.5772	−8.6452
3266	Carinæ	6	26 21,23	0,640	−0,0462	+0,009	9.2083	9.1075	9.8061	+9.1843
3267	Velorum	6	26 22,23	2,374	+0,0044	−0,003	8.8337	8.7328	0.3755	+8.6416
3268	11 Leonis Minoris ..	6	26 38,89	3,684	−0,0306	−0,056	8.8132	8.7113	0.5663	−8.5874
3269	Velorum .....N	5	26 40,23	1,824	+0,0003	+0,001	8.9751	8.8731	0.2610	+8.8956
3270	Leonis	7	26 50,57	3,267	−0,0126	−0,003	8.7306	8.6279	0.5141	−8.0930
3271	33 Hydræ	6	27 3,61	2,995	−0,0043	+0,002	8.7209	8.6174	0.4763	+7.6823
3272	7 Leonis	6½	27 40,68	3,292	−0,0136	0,000	8.7351	8.6292	0.5175	−8.1494
3273*	Leonis	6½	27 47,91	3,582	−0,0257	−0,004	8.7909	8.6845	0.5542	−8.5131
3274	Carinæ	7	28 0,46	1,612	−0,0042	−0,040	9.0291	8.9218	0.2073	+8.9691
3275	Draconis	6	28 14,92	7,227	−0,4477	+0,016	9.4330	9.3248	0.8590	−9.4247
3276*	Velorum	5½	28 22,13	2,147	+0,0042	+0,006	8.8984	8.7897	0.3319	+8.7718
3277	Carinæ	6	28 31,66	1,222	−0,0171	−0,021	9.1129	9.0036	0.0872	+9.0738
3278*	8 Leonis	6½	28 45,62	+3,323	−0,0148	0,000	8.7412	8.6311	+0.5215	−8.2098
3279	Chamæleontis .. ι	5½	28 54,15	−1,639	−0,2868	−0,131	9.4879	9.3772	−0.2145	+9.4815
3280	Velorum L	5½	28 57,25	+2,074	+0,0038	+0,012	8.9192	8.8083	+0.3169	+8.8071
3281	42 Lyncis	6	28 58,85	3,780	−0,0362	+0,003	8.8435	8.7325	0.5775	−8.6597
3282	Velorum	7	29 0,50	2,235	+0,0047	.....	8.8769	8.7658	0.3493	+8.7308
3283	27 Ursæ Majoris	5½	29 0,95	5,736	−0,2166	−0,009	9.2543	9.1431	0.7586	−9.2347
3284	Draconis	6	29 13,46	7,623	−0,5279	.....	9.4749	9.3629	0.8821	−9.4680
3285	9 Leonis	6	9 29 14,33	+3,458	−0,0203	−0,005	−8.7662	+8.6542	+0.5388	−8.3977

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3241	54 14 11,8	+15,50	+0,341	+0,10	+8.2765	+9.6548	+1.1903	+9.8026	1333	97	iii.1147			
3242	37 38 33,4	15,52	0,385	+0,60	+9.3740	+9.7873	1.1909	9.8017	1332	98	ii.1152			
3243	115 56 19,9	15,53	0,245	+0,09	−9.8241	−9.5299	1.1912	9.8011	....	101	iii.1150	3859		
3244	125 17 59,7	15,53	0,228	+0,27	−9.8572	−9.6509	1.1913	9.8011	....	103	iii.1151	3861	2504	
3245	17 15 9,7	15,54	0,534	+0,12	+9.6769	+9.8692	1.1914	9.8009	....	91	iii.1148			
3246	66 22 24,1	15,54	0,317	+0,04	−9.1590	+9.4921	1.1914	9.8008	1335	100	ii.1153	....	....	M 407
3247	146 20 0,4	15,54	0,166	.....	−9.8845	−9.8096	1.1916	9.8006	....	....	.....	3881		
3248	115 56 9,5	15,55	0,245	+0,15	−9.8239	−9.5302	1.1916	9.8006	....	105	iii.1152	3860	2506	
3249	154 16 51,9	15,56	0,121	+0,02	−9.8790	−9.8444	1.1919	9.8001	....	....	ii.1156	3890	2513	J 223, R 152
3250	78 2 15,8	15,58	0,298	+0,06	−9.4684	+9.2068	1.1925	9.7992	1338	106	ii.1154	....	....	M 408
3251	79 37 34,3	15,58	0,296	+0,05	−9.4962	+9.1458	1.1926	9.7991	1339	108	ii.1155	....	....	M 409
3252	52 51 4,3	15,60	0,340	+0,04	+8.5263	+9.6719	1.1932	9.7982	1337	107	iii.1153			
3253	90 31 36,3	15,60	0,281	+0,08	−9.6432	−7.8544	1.1932	9.7981	1341	110	ii.1157			
3254	121 13 49,7	15,61	0,235	−0,10	−9.8431	−9.6058	1.1933	9.7981	....	113	iii.1155	3880	2515	
3255	60 58 12,1	15,61	0,324	0,00	−8.8739	+9.5773	1.1935	9.7977	....	109	iv. 676			
3256	37 17 5,9	15,61	0,382	+0,04	+9.3737	+9.7920	1.1935	9.7977	1336	104	iii.1154			
3257	129 48 43,9	15,63	0,217	−0,09	−9.8660	−9.6981	1.1940	9.7970	....	116	ii.1159	3885	2519	J 224, R 153
3258	87 28 25,9	15,64	0,284	+0,01	−9.6084	+8.5361	1.1942	9.7967	....	114	iv. 677	....	....	B.F 1349
3259	140 51 34,0	15,64	0,187	−0,20	−9.8805	−9.7816	1.1942	9.7966	....	....	v.1378	3894	2523	R 154
3260	151 37 11,1	15,64	0,139	+0,31	−9.8791	−9.8364	1.1943	9.7965	....	....	v.1379	3901	2524	
3261	52 56 20,7	15,64	0,338	0,00	+8.4900	+9.6721	1.1943	9.7965	1340	111	ii.1158			
3262	121 12 46,8	15,65	0,234	+0,04	−9.8422	−9.6067	1.1944	9.7962	....	117	iii.1156	3884	2521	
3263	156 2 46,0	15,67	0,109	−0,26	−9.8730	−9.8538	1.1951	9.7951	....	....	.....	3909	2529	
3264	160 57 3,5	15,67	0,060	−0,01	−9.8641	−9.8685	1.1952	9.7951	....	....	.....	3914	2531	R 155
3265	49 42 57,9	15,68	0,344	+0,05	+8.8585	+9.7037	1.1953	9.7949	....	115	iii.1157	....	....	B.H 903
3266	161 7 55,5	15,71	0,058	+0,16	−9.8623	−9.8701	1.1963	9.7933	....	....	.....	3922	2537	R 156
3267	129 59 19,4	15,72	0,215	+0,11	−9.8643	−9.7021	1.1963	9.7933	....	122	iii.1159	3900	2532	
3268	53 30 50,4	15,73	0,333	+0,26	+8.3010	+9.6688	1.1967	9.7926	1343	118	iii.1158			
3269	146 22 25,4	15,73	0,165	−0,15	−9.8789	−9.8150	1.1968	9.7926	....	....	v.1386	3910	2535	J 225
3270	76 40 46,5	15,74	0,295	+0,06	−9.4464	+9.2573	1.1970	9.7921	....	120	iii.1160	....	....	M 410
3271	95 14 58,0	15,75	0,270	+0,15	−9.6890	−8.8565	1.1974	9.7916	1344	123	ii.1161			
3272	74 57 17,1	15,79	0,296	+0,07	−9.4133	+9.3103	1.1983	9.7901	1345	125	ii.1162			
3273	58 10 5,9	15,79	0,322	+0,02	−8.6395	+9.6184	1.1985	9.7898	....	124	iv. 679	....	....	B.H 896
3274	150 34 13,0	15,80	0,145	−0,29	−9.8747	−9.8365	1.1988	9.7893	....	....	.....	3924	....	R 157
3275	11 11 12,8	15,82	0,648	−0,07	+9.7151	+9.8886	1.1991	9.7887	....	112	iii.1161	....	....	G 1561
3276	138 20 27,2	15,82	0,192	−0,09	−9.8736	−9.7705	1.1993	9.7885	....	....	.....	3917	2546	R 158
3277	156 3 20,7	15,83	0,109	−0,13	−9.8675	−9.8582	1.1995	9.7881	....	....	.....	3940	2554	R 159
3278	72 53 26,8	15,84	+0,297	−0,07	−9.3700	+9.3663	1.1999	9.7875	1347	127	ii.1163	....	....	M 411
3279	170 8 3,9	15,85	−0,146	−0,49	−9.8312	−9.8914	1.2001	9.7871	....	....	.....	3981	2568	
3280	140 35 24,1	15,86	+0,185	−0,06	−9.8743	−9.7859	1.2002	9.7870	....	....	v.1395	3925	2555	R 161
3281	49 5 21,7	15,86	0,338	0,00	+8.8633	+9.7141	1.2002	9.7870	1346	126	iii.1163			
3282	135 35 8,1	15,86	0,200	.....	−9.8698	−9.7519	1.2002	9.7869	....	....	.....	....	....	R 160
3283	17 4 14,4	15,86	0,512	+0,06	+9.6607	+9.8785	1.2003	9.7869	1342	121	iii.1162			
3284	10 10 53,4	15,87	0,680	.....	+9.7202	+9.8915	1.2006	9.7864	....	....	.....	....	....	G 1562
3285	64 39 32,5	+15,87	+0,308	+0,06	−9.1156	+9.5298	+1.2006	+9.7863	1348	128	ii.1164			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3286*	10 Leonis	5½	9 29 17,41	+3,178	−0,0096	−0,002	−8.7261	+8.6138	+0.5022	−7.8421
3287*	Ursæ Majoris	6	29 19,36	5,305	−0,1650	.....	9.1866	9.0743	0.7247	−9.1594
3288	11 Leonis	7	29 49,81	3,289	−0,0135	−0,004	8.7382	8.6239	0.5171	−8.1519
3289	Carinæ ..... *h*	5	30 5,38	1,740	−0,0011	−0,030	9.0062	8.8908	0.2405	+8.9372
3290	Leonis Minoris....	7	30 23,45	3,659	−0,0301	+0,009	8.8155	8.6990	0.5633	−8.5839
3291	Carinæ .....H	5½	30 28,11	0,508	−0,0564	−0,002	9.2441	9.1272	9.7060	+9.2233
3292	Leonis	6½	30 29,37	3,382	−0,0172	+0,006	8.7539	8.6369	0.5291	−8.3076
3293	34 Hydræ	6½	30 30,28	2,946	−0,0029	−0,004	8.7292	8.6122	0.4692	+7.9115
3294*	12 Leonis	6½	30 35,06	3,467	−0,0209	+0,014	8.7707	8.6534	0.5400	−8.4132
3295	2 Sextantis	5½	30 37,72	3,146	−0,0086	−0,008	8.7262	8.6087	0.4978	−7.6937
3296	Antliæ	6	30 42,61	2,574	+0,0036	0,000	8.7937	8.6759	0.4106	+8.5118
3297	Leonis Minoris....	7	30 53,26	3,659	−0,0302	+0,006	8.8168	8.6983	0.5634	−8.5861
3298*	Velorum	6	30 59,64	2,169	+0,0047	−0,007	8.9000	8.7811	0.3363	+8.7716
3299*	Leonis	7	31 8,34	3,272	−0,0129	−0,003	8.7381	8.6186	0.5148	−8.1213
3300	Velorum .....M	4	31 27,89	2,152	+0,0047	+0,005	8.9058	8.7850	0.3329	+8.7815
3301*	Carinæ	6	31 29,49	1,392	−0,0109	.....	9.0888	8.9679	0.1436	+9.0437
3302	Velorum ..... *y*	5½	32 9,59	2,334	+0,0051	−0,017	8.8590	8.7355	0.3680	+8.6888
3303	35 Hydræ ..... *i*	5	32 11,75	3,064	−0,0060	+0,008	8.7266	8.6029	0.4863	+6.6356
3304	Velorum	6	32 11,91	2,004	+0,0035	−0,005	8.9470	8.8234	0.3020	+8.8493
3305	37 Hydræ	7	32 28,02	2,931	−0,0024	0,000	8.7334	8.6087	0.4670	+7.9686
3306	Velorum	7	32 37,06	2,423	+0,0049	−0,012	8.8362	8.7109	0.3843	+8.6345
3307	43 Lyncis	6½	32 41,47	3,754	−0,0357	−0,002	8.8458	8.7202	0.5745	−8.6578
3308	Ursæ Majoris	6	32 42,27	4,217	−0,0660	.....	8.9692	8.8435	0.6250	−8.8828
3309	13 Leonis	6	33 0,04	3,471	−0,0213	0,000	8.7763	8.6494	0.5405	−8.4272
3310*	Hydræ	7	33 0,83	2,928	−0,0023	−0,008	8.7345	8.6076	0.4666	+7.9781
3311	38 Hydræ ..... *x*	5	33 7,26	2,876	−0,0012	+0,005	8.7403	8.6130	0.4589	+8.1133
3312	14 Leonis ..... *o*	4	33 8,49	3,220	−0,0111	+0,008	8.7353	8.6079	0.5078	−7.9989
3313*	13 Leonis Minoris ..	6	33 39,55	3,645	−0,0300	+0,008	8.8194	8.6900	0.5617	−8.5863
3314	Leonis	7½	33 55,63	3,545	−0,0249	−0,004	8.7950	8.6645	0.5496	−8.5042
3315	28 Ursæ Majoris	5	34 19,28	4,723	−0,1100	+0,002	9.0930	8.9610	0.6742	−9.0479
3316	Carinæ	6½	34 42,00	1,466	−0,0084	−0,025	9.0840	8.9504	0.1662	+9.0366
3317	15 Leonis ..... *f*	6½	34 44,96	3,540	−0,0248	+0,001	8.7955	8.6618	0.5490	−8.5031
3318	Leonis	7	34 58,33	3,372	−0,0172	+0,015	8.7599	8.6253	0.5279	−8.3118
3319*	Carinæ	6½	35 10,45	1,465	−0,0084	+0,001	9.0860	8.9505	0.1658	+9.0389
3320	Carinæ .....*m*	5	35 11,56	1,666	−0,0026	−0,015	9.0404	8.9049	0.2217	+8.9808
3321	16 Leonis .....ψ	6	35 33,49	3,277	−0,0134	+0,003	8.7457	8.6087	0.5155	−8.1503
3322	Carinæ	7	35 34,51	1,286	−0,0151	.....	9.1251	8.9881	0.1091	+9.0865
3323	Carinæ	6	35 49,76	1,574	−0,0051	+0,002	9.0638	8.9258	0.1971	+9.0108
3324*	Ursæ Majoris	6	35 51,27	4,320	−0,0758	−0,003	9.0052	8.8670	0.6355	−8.9327
3325*	Ursæ Majoris	6	36 3,51	4,677	−0,1072	−0,009	9.0892	8.9502	0.6700	−9.0426
3326	Carinæ	6	36 5,70	1,847	+0,0014	+0,003	8.9995	8.8603	0.2665	+8.9245
3327	Leonis	7	36 43,73	3,422	−0,0195	0,000	8.7727	8.6310	0.5342	−8.3847
3328	Carinæ	6	36 49,72	1,583	−0,0047	.....	9.0652	8.9232	0.1996	+9.0122
3329	Velorum	6	36 52,68	1,973	+0,0035	+0,044	8.9695	8.8272	0.2952	+8.8803
3330	14 Leonis Minoris....	6½	9 37 5,22	+3,874	−0,0442	+0,003	−8.8901	+8.7470	+0.5881	−8.7456

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3286	82 29 37,7	+15,87	+0,283	−0,02	−9.5446	+9.0145	+1.2007	+9.7862	1349	130	ii.1165	....	2553	M 412
3287	20 4 59,9	15,87	0,473	.....	+9.6284	+9.8712	1.2007	9.7861	....	....	.....	....	....	B.F 1343
3288	74 58 41,4	15,90	0,292	+0,09	−9.4170	+9.3128	1.2014	9.7849	1350	132	ii.1166			
3289	148 33 43,2	15,92	0,154	−0,01	−9.8724	−9.8307	1.2018	9.7842	....	....	v.1402	3949	2565	J 226
3290	54 5 0,7	15,93	0,324	+0,12	+7.6812	+9.6684	1.2023	9.7835	....	133	iii.1165	....	....	B.F 1356
3291	162 25 19,0	15,94	0,045	+0,74	−9.8512	−9.8794	1.2024	9.7833	....	....	.....	3968	2573	
3292	69 1 40,4	15,94	0,299	−0,02	−9.2739	+9.4540	1.2024	9.7832	....	135	iii.1166	....	....	A 201
3293	98 45 8,4	15,94	0,261	−0,01	−9.7171	−9.0825	1.2024	9.7832	1353	140	iii.1168			
3294	63 57 34,1	15,94	0,307	−0,04	−9.0917	+9.5428	1.2025	9.7830	1351	136	iii.1167			
3295	84 40 34,0	15,94	0,278	+0,07	−9.575'0	+8.8679	1.2026	9.7829	1352	139	ii.1168			
3296	121 30 20,1	15,95	0,228	−0,04	−9.8368	−9.6187	1.2027	9.7827	....	142	iii.1170	3939	2566	
3297	53 59 23,2	15,96	0,323	+0,04	+7.7076	+9.6701	1.2030	9.7823	....	137	iii.1169	....	....	B.F. 1359
3298	138 4 49,2	15,96	0,192	+0,27	−9.8694	−9.7725	1.2031	9.7820	....	....	v.1405	3950	2570	
3299	76 0 50,2	15,97	0,289	+0,07	−9.4392	+9.2844	1.2033	9.7816	....	141	iii.1171	....	....	B.F 1363
3300	138 41 4,2	15,99	0,190	+0,09	−9.8692	−9.7773	1.2038	9.7808	....	....	v.1408	3952	2577	R 162
3301	154 19 34,2	15,99	0,123	.....	−9.8645	−9.8565	1.2038	9.7807	....	....	.....	3965		
3302	132 30 56,9	16,03	0,205	+0,07	−9.8611	−9.7324	1.2048	9.7791	....	149	iii.1172	3956	2579	
3303	90 27 52,9	16,03	0,269	+0,11	−9.6424	−7.8117	1.2049	9.7790	1356	144	ii.1169	....	....	J 227
3304	142 59 39,1	16,03	0,176	−0,04	−9.8699	−9.8050	1.2049	9.7790	....	....	v.1409	3961	2581	
3305	99 53 42,9	16,04	0,257	+0,04	−9.7248	−9.1382	1.2052	9.7783	1358	147	iii.1174			
3306	128 56 6,3	16,05	0,212	−0,14	−9.8540	−9.7015	1.2055	9.7779	....	....	v.1410	3959	2583	R 163
3307	49 33 41,3	16,05	0,328	+0,06	+8.7672	+9.7153	1.2056	9.7777	1354	143	iii.1175			
3308	34 57 16,2	16,05	0,369	.....	+9.3849	+9.8170	1.2056	9.7777	....	....	.....	....	....	G 1572
3309	63 24 21,3	16,07	0,303	+0,01	−9.0795	+9.5547	1.2060	9.7769	1357	148	ii.1170			
3310	100 5 32,3	16,07	0,256	+0,01	−9.7260	−9.1474	1.2060	9.7769	1361	152	iii.1176	....	....	B.F 1374
3311	103 39 13,0	16,08	0,251	−0,01	−9.7504	−9.2770	1.2062	9.7766	1362	154	ii.1172	....	....	J 228
3312	79 25 40,6	16,08	0,281	+0,05	−9.5009	+9.1675	1.2062	9.7766	1360	151	ii.1171	....	2586	M 414
3313	54 13 26,5	16,10	0,317	+0,07	−7.5682	+9.6716	1.2069	9.7753	1359	153	iii.1177			
3314	59 12 25,4	16,12	0,308	−0,06	−8.8338	+9.6143	1.2073	9.7746	....	155	iv. 684	....	....	B.F 1371
3315	25 39 37,7	16,14	0,409	+0,01	+9.5406	+9.8605	1.2079	9.7736	1355	150	iii.1178			
3316	153 43 34,1	16,16	0,127	+0,09	−9.8593	−9.8588	1.2084	9.7726	....	....	.....	3986	2602	R 164
3317	59 20 18,5	16,16	0,306	+0,11	−8.8531	+9.6138	1.2085	9.7725	1365	157	iii.1180			
3318	69 7 21,3	16,17	0,291	−0,06	−9.2894	+9.4584	1.2088	9.7719	....	158	ii.1173	....	....	W 563
3319	153 48 42,2	16,18	0,126	−0,37	−9.8583	−9.8598	1.2090	9.7714	....	....	v.1421	3989	2608	R 166
3320	150 39 2,7	16,18	0,144	+0,07	−9.8618	−9.8472	1.2091	9.7713	....	....	v.1420	3987	2607	R 165
3321	75 17 43,1	16,20	0,282	+0,04	−9.4317	+9.3119	1.2096	9.7704	1366	160	ii.1174	....	....	M 415
3322	156 10 59,4	16,20	0,111	.....	−9.8539	−9.8687	1.2096	9.7703	....	....	.....	....	....	R 167
3323	152 15 58,2	16,22	0,135	+0,22	−9.8590	−9.8547	1.2099	9.7697	....	....	.....	3993	2611	
3324	32 11 13,0	16,22	0,371	0,00	+9.4260	+9.8353	1.2100	9.7696	1364	159	iii.1181	....	....	B.F 1370
3325	26 3 30,8	16,23	0,401	.....	+9.5280	+9.8615	1.2103	9.7691	1363	....	.....	....	....	B.F 1366
3326	147 18 10,6	16,23	0,158	−0,01	−9.8626	−9.8332	1.2103	9.7690	....	....	v.1423	3990	2615	R 168
3327	65 50 19,1	16,26	0,292	+0,13	−9.1942	+9.5210	1.2112	9.7673	....	163	iii.1182			
3328	152 15 56,1	16,27	0,135	.....	−9.8572	−9.8561	1.2113	9.7671	....	....	.....	....	2626	
3329	144 32 0,3	16,27	0,168	+0,46	−9.8621	−9.8200	1.2114	9.7669	....	....	v.1428	3994	2625	
3330	44 11 28,8	+16,28	+0,330	+0,14	+9.0652	+9.7650	+1.2117	+9.7664	1367	162	iii.1183			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3331	17 Leonis ..... *s*	3	9 37 19,80	+3,425	−0,0197	0,000	−8.7745	+8.6305	+0.5347	−8.3916
3332	Antliæ ..... *θ*	5½	37 31,15	2,672	+0,0030	+0,002	8.7844	8.6396	0.4269	+8.4427
3333	Leonis	7	37 49,70	+3,372	−0,0174	+0,015	8.7647	8.6187	+0.5279	−8.3226
3334	Chamæleontis .. *ζ*	5½	38 6,09	−1,451	−0,2818	−0,076	9.5065	9.3594	−0.1617	+9.5002
3335*	Velorum	6	38 7,99	+2,128	+0,0053	+0,009	8.9317	8.7844	+0.3280	+8.8194
3336*	Leonis	5½	38 15,18	3,171	−0,0095	.....	8.7386	8.5908	0.5012	−7.8484
3337	18 Leonis	6	38 18,18	3,242	−0,0121	+0,001	8.7454	8.5975	0.5109	−8.0807
3338	Velorum .....O	6	38 37,15	2,037	+0,0045	−0,006	8.9580	8.8088	0.3089	+8.8616
3339	Sextantis	6½	38 39,23	3,104	−0,0072	+0,001	8.7359	8.5865	0.4919	−7.3716
3340	Antliæ	6	38 47,08	2,633	+0,0037	+0,012	8.7960	8.6461	0.4205	+8.4885
3341	15 Leonis Minoris....	6	38 53,47	3,891	−0,0458	+0,030	8.8997	8.7494	0.5900	−8.7619
3342	Carinæ	7	38 55,59	1,280	−0,0155	.....	9.1383	8.9878	0.1072	+9.1012
3343	Leonis	7	39 18,07	3,371	−0,0175	+0,009	8.7671	8.6151	0.5278	−8.3272
3344	19 Leonis	7	39 21,85	3,238	−0,0120	−0,003	8.7465	8.5942	0.5103	−8.0735
3345*	Leonis	6	39 29,33	3,236	−0,0119	+0,002	8.7464	8.5937	0.5100	−8.0686
3346*	29 Ursæ Majoris .. *υ*	4	40 16,82	4,383	−0,0839	−0,030	9.0353	8.8794	0.6418	−8.9717
3347	Velorum	6½	40 23,51	2,300	+0,0062	.....	8.8900	8.7337	0.3616	+8.7412
3348	Velorum	6	40 39,87	2,332	+0,0062	0,000	8.8817	8.7242	0.3676	+8.7240
3349	3 Sextantis	7	40 45,66	2,983	−0,0035	−0,002	8.7411	8.5833	0.4746	+7.7984
3350	Carinæ	7	40 46,25	0,789	−0,0417	.....	9.2369	9.0790	9.8972	+9.2138
3351	Velorum	6	40 54,23	1,919	+0,0031	+0,062	8.9964	8.8380	0.2831	+8.9175
3352	16 Leonis Minoris....	6	40 59,96	3,718	−0,0357	+0,005	8.8564	8.6976	0.5703	−8.6674
3353	Carinæ ..... *l*	5	41 7,51	1,649	−0,0027	−0,012	9.0646	8.9052	0.2173	+9.0098
3354	Carinæ	6	41 20,21	1,849	+0,0020	−0,027	9.0161	8.8559	0.2669	+8.9450
3355	20 Leonis	7	41 25,82	3,376	−0,0179	−0,002	8.7716	8.6111	0.5284	−8.3429
3356	Leonis	7½	41 49,31	3,229	−0,0117	+0,007	8.7490	8.5868	0.5091	−8.0599
3357	Carinæ	7	41 50,81	1,359	−0,0124	+0,004	9.1323	8.9701	0.1332	+9.0934
3358	30 Ursæ Majoris .. *φ*	5	41 51,98	4,144	−0,0652	+0,006	8.9786	8.8163	0.6174	−8.8907
3359	4 Sextantis	6	42 41,67	3,137	−0,0083	−0,005	8.7425	8.5768	0.4965	−7.6865
3360	21 Leonis	7½	42 44,87	3,238	−0,0122	+0,001	8.7514	8.5855	0.5103	−8.0881
3361	23 Leonis	7½	42 55,91	3,255	−0,0128	+0,018	8.7538	8.5871	0.5126	−8.1302
3362	Velorum	6½	43 11,78	2,375	+0,0065	−0,017	8.8758	8.7081	0.3757	+8.7079
3363	5 Sextantis	7	43 13,89	2,983	−0,0033	+0,009	8.7445	8.5766	0.4746	+7.8103
3364	17 Leonis Minoris....	7	43 15,21	3,671	−0,0335	−0,003	8.8487	8.6807	0.5648	−8.6439
3365	Argûs ..... *υ*	3	43 21,18	1,505	−0,0071	−0,003	9.1057	8.9374	0.1776	+9.0608
3366	22 Leonis ..... *g*	5½	43 21,57	3,422	−0,0203	+0,006	8.7847	8.6163	0.5343	−8.4124
3367	Antliæ	6	43 30,94	2,534	+0,0055	−0,010	8.8316	8.6625	0.4038	+8.5963
3368	6 Sextantis	6	43 40,52	3,024	−0,0046	+0,003	8.7429	8.5732	0.4806	+7.5337
3369	Velorum	6	43 44,92	1,972	+0,0043	−0,010	8.9914	8.8214	0.2949	+8.9086
3370	Velorum ..... *u*	6	44 7,75	2,323	+0,0067	−0,005	8.8934	8.7219	0.3660	+8.7432
3371	24 Leonis ..... *μ*	3	44 13,41	3,446	−0,0215	−0,018	8.7918	8.6199	0.5374	−8.4445
3372	39 Hydræ ..... *υ*¹	5	44 15,88	2,883	−0,0005	+0,002	8.7562	8.5841	0.4598	+8.1442
3373	Carinæ	7	44 27,05	1,383	−0,0115	.....	9.1365	8.9637	0.1410	+9.0978
3374	7 Sextantis	7	44 27,85	3,112	−0,0074	−0,009	8.7437	8.5708	0.4930	−7.4839
3375*	Leonis Minoris....	6½	9 44 39,63	+3,605	−0,0300	.....	−8.8337	+8.6600	+0.5570	−8.5996

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3331	65 32 15,7	+16,29	+0,291	+0,04	−9.1864	+9.5269	+1.2120	+9.7657	1368	164	ii.1175	....	2620	M 416
3332	117 5 5,1	16,30	0,227	+0,02	−9.8140	−9.5683	1.2123	9.7652	....	166	ii.1176	3991	2628	
3333	68 49 16,2	16,32	+0,286	−0,05	−9.2894	+9.4683	1.2127	9.7644	....	165	iv. 686			
3334	170 15 47,2	16,33	−0,123	−0,34	−9.8098	−9.9045	1.2130	9.7637	....	....	.....	4048	2648	
3335	140 32 41,8	16,33	+0,180	+0,19	−9.8596	−9.7986	1.2131	9.7636	....	....	v.1430	3998	2633	
3336	82 36 3,9	16,34	0,268	.....	−9.5511	+9.0209	1.2133	9.7633	....	....	.....	....	....	B.F 1383
3337	77 30 3,3	16,34	0,274	−0,07	−9.4747	+9.2464	1.2133	9.7632	1370	168	ii.1177	....	....	M 417
3338	143 12 17,5	16,36	0,172	−0,22	−9.8593	−9.8150	1.2137	9.7623	....	....	v.1432	4003	2637	
3339	87 31 21,7	16,36	0,262	+0,04	−9.6113	+8.5473	1.2138	9.7622	....	171	iv. 689	....		
3340	119 30 50,2	16,37	0,222	−0,15	−9.8211	−9.6043	1.2140	9.7619	....	....	v.1433	3997	2636	
3341	43 16 57,9	16,37	0,328	+0,10	+9.0896	+9.7740	1.2141	9.7616	1369	169	iii.1184			
3342	156 40 40,7	16,37	0,108	.....	−9.8463	−9.8749	1.2142	9.7615	....	....	.....	....	....	R 169
3343	68 42 8,2	16,39	0,283	−0,19	−9.2903	+9.4726	1.2147	9.7605	....	173	iii.1185	....	....	M418, A207
3344	77 44 22,8	16,40	0,272	−0,03	−9.4797	+9.2396	1.2147	9.7603	1372	175	iii.1186	....	....	M 419
3345	77 52 41,2	16,40	0,272	+0,17	−9.4822	+9.2349	1.2149	9.7600	1373	176	iii.1187	....	....	M 420
3346	30 15 33,7	16,44	0,366	+0,19	+9.4408	+9.8501	1.2160	9.7578	1371	174	ii.1179	....	....	P 411
3347	135 13 37,6	16,45	0,192	.....	−9.8524	−9.7651	1.2161	9.7575	....	....	v.1440	4014	2655	
3348	134 3 47,8	16,46	0,194	+0,03	−9.8507	−9.7565	1.2165	9.7568	....	182	iii.1190	4022	2659	
3349	96 33 6,1	16,47	0,248	+0,02	−9.6957	−8.9717	1.2166	9.7565	1376	178	iii.1188			
3350	161 30 10,5	16,47	0,066	.....	−9.8319	−9.8913	1.2166	9.7565	....	....	.....	....	2663	R 171
3351	146 29 15,7	16,47	0,160	−1,07	−9.8544	−9.8356	1.2168	9.7561	....	....	.....	4028	2660	R 170
3352	49 40 22,2	16,48	0,309	−0,01	+8.5809	+9.7257	1.2169	9.7559	1374	177	iii.1189			
3353	151 49 4,4	16,48	0,137	+0,09	−9.8494	−9.8601	1.2171	9.7555	....	....	ii.1182	4033	2664	J229, R172
3354	148 6 15,2	16,50	0,153	−0,16	−9.8526	−9.8440	1.2174	9.7550	....	....	v.1443	4032	2665	
3355	68 7 22,9	16,50	0,280	+0,01	−9.2808	+9.4865	1.2175	9.7547	1377	181	ii.1180			
3356	78 11 39,1	16,52	0,267	+0,09	−9.4897	+9.2267	1.2180	9.7536	....	184	iv. 693			
3357	156 6 48,1	16,52	0,112	−0,52	−9.8414	−9.8769	1.2180	9.7536	....	....	.....	4043	....	R 173
3358	35 14 18,9	16,52	0,343	+0,05	+9.3276	+9.8279	1.2180	9.7535	1375	179	ii.1181			
3359	84 57 25,5	16,56	0,258	+0,08	−9.5829	+8.8609	1.1291	9.7512	1380	186	ii.1183			
3360	77 27 32,1	16,57	0,266	−0,02	−9.4789	+9.2537	1.2192	9.7511	1379	185	iii.1191	....	....	M 421
3361	76 14 6,8	16,57	0,267	+0,05	−9.4586	+9.2937	1.2194	9.7506	1381	188	iii.1192	....	....	M 422
3362	132 47 11,6	16,59	0,195	+0,11	−9.8453	−9.7496	1.2198	9.7498	....	....	v.1445	4037	2679	
3363	96 40 55,3	16,59	0,244	+0,08	−9.6958	−8.9834	1.2198	9.7497	....	191	iii.1194			
3364	51 23 2,0	16,59	0,301	0,00	+8.0645	+9.7129	1.2198	9.7497	1378	....	iii.1193			
3365	154 22 38,1	16,59	0,123	−0,01	−9.8414	−9.8728	1.2200	9.7494	....	....	ii.1186	4051	2682	J230, R174
3366	64 53 51,4	16,60	0,280	+0,20	−9.1898	+9.5454	1.2200	9.7494	1382	190	ii.1184			
3367	125 34 16,0	16,60	0,207	+0,08	−9.8321	−9.6827	1.2202	9.7489	....	....	v.1446	4039	2681	
3368	93 32 30,4	16,61	0,247	−0,01	−9.6700	−8.7090	1.2204	9.7485	1385	193	ii.1185			
3369	145 42 59,6	16,61	0,161	+0,23	−9.8495	−9.8354	1.2205	9.7483	....	....	v.1447	4049	2686	
3370	135 2 7,6	16,63	0,189	+0,15	−9.8463	−9.7685	1.2210	9.7472	....	198	iii.1197	4047	2688	
3371	63 17 20,0	16,64	0,281	+0,06	−9.1358	+9.5716	1.2211	9.7469	1384	194	ii.1187			
3372	104 8 41,1	16,64	0,235	+0,02	−9.7460	−9.3070	1.2211	9.7468	1388	196	ii.1188	....	....	J 231
3373	156 9 48,0	16,65	0,113	.....	−9.8359	−9.8804	1.2214	9.7463	....	....	.....	....	....	R 175
3374	86 50 54,2	16,65	0,253	−0,11	−9.6049	+8.6594	1.2214	9.7463	1386	197	ii.1189			
3375	54 18 47,0	+16,66	+0,293	.....	−8.4425	+9.6854	+1.2216	+9.7457	....	....	.....	....	....	B.F 1396

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3376	Ursæ Majoris	6½	9 44 50,02	+5,595	−0,2288	−0,032	−9.2925	+9.1181	+0.7478	−9.2744
3377	Velorum	6½	44 57,73	2,295	+0,0068	+0,025	8.9038	8.7289	0.3607	+8.7625
3378	8 Sextantis	6	45 4,99	2,974	−0,0030	0,000	8.7475	8.5720	0.4734	+7.8574
3379	Velorum	6½	45 31,96	2,318	+0,0069	+0,015	8.8987	8.7214	0.3650	+8.7519
3380*	Sextantis	6	45 50,20	3,157	−0,0091	.....	8.7478	8.5692	0.4993	−7.8123
3381	31 Ursæ Majoris	6	45 53,69	3,967	−0,0538	+0,001	8.9416	8.7628	0.5985	−8.8292
3382	Velorum	6	45 54,24	2,310	+0,0070	+0,026	8.9019	8.7231	0.3636	+8.7577
3383	Leonis	7½	46 10,01	3,185	−0,0101	−0,007	8.7504	8.5705	0.5030	−7.9340
3384	Chamæleontis .. ν	5½	46 14,68	0,099	−0,1000	+0,027	9.3640	9.1838	8.9943	+9.3510
3385	Antliæ	6	46 15,66	2,701	+0,0035	−0,014	8.7941	8.6138	0.4316	+8.4456
3386	9 Sextantis	7	46 16,11	3,144	−0,0085	0,000	8.7475	8.5671	0.4974	−7.7406
3387	Chamæleontis	6	46 22,85	0,335	−0,0784	.....	9.3309	9.1501	9.5244	+9.3157
3388	Carinæ	6	46 31,66	1,860	+0,0027	+0,002	9.0303	8.8489	0.2696	+8.9621
3389	Carinæ	6	46 41,95	1,687	−0,0014	−0,025	9.0749	8.8928	0.2270	+9.0210
3390	Ursæ Majoris	6	46 43,62	4,252	−0,0770	+0,001	9.0233	8.8411	0.6286	−8.9523
3391	Hydræ	6	47 24,89	2,726	+0,0032	−0,014	8.7903	8.6053	0.4356	+8.4200
3392	18 Leonis Minoris ..	7	47 42,82	3,546	−0,0273	0,000	8.8240	8.6377	0.5498	−8.5612
3393	Draconis	8	47 48,76	5,885	−0,2796	−0,011	9.3479	9.1612	0.7697	−9.3338
3394	Velorum	6½	47 53,29	2,043	+0,0057	+0,011	8.9852	8.7982	0.3102	+8.8968
3395	Velorum	6	48 20,86	2,191	+0,0071	+0,011	8.9439	8.7549	0.3407	+8.8309
3396	Velorum	6	48 23,74	2,355	+0,0072	+0,014	8.8953	8.7062	0.3720	+8.7416
3397*	Ursæ Majoris	6	48 27,61	3,826	−0,0448	.....	8.9073	8.7179	0.5827	−8.7652
3398	Leonis	6	48 28,64	3,194	−0,0105	−0,002	8.7543	8.5648	0.5043	−7.9782
3399	19 Leonis Minoris ..	5½	48 28,75	3,719	−0,0378	−0,007	8.8754	8.6860	0.5704	−8.6990
3400	Velorum	6	49 16,92	2,224	+0,0073	−0,015	8.9368	8.7440	0.3472	+8.8181
3401	Velorum	7	49 26,37	2,368	+0,0074	.....	8.8941	8.7006	0.3745	+8.7377
3402*	Ursæ Majoris	6	49 29,72	4,203	−0,0746	.....	9.0194	8.8257	0.6236	−8.9456
3403	Antliæ	6	49 37,88	2,648	+0,0048	+0,012	8.8136	8.6194	0.4230	+8.5176
3404	26 Leonis	7	50 2,09	3,276	−0,0141	−0,002	8.7670	8.5710	0.5153	−8.2056
3405	Antliæ	6	50 3,28	2,609	+0,0054	+0,013	8.8250	8.6289	0.4165	+8.5577
3406	27 Leonis ..... ν	5½	50 9,01	3,238	−0,0124	+0,002	8.7617	8.5652	0.5103	−8.1189
3407	Leonis	6	50 10,57	3,185	−0,0102	+0,002	8.7556	8.5590	0.5031	−7.9512
3408	Velorum	6	50 50,80	2,200	+0,0074	−0,002	8.9486	8.7492	0.3425	+8.8368
3409	Leonis	6	50 57,17	3,489	−0,0247	+0,016	8.8151	8.6153	0.5427	−8.5188
3410	Argûs ..... φ	4	51 36,23	2,098	+0,0069	−0,006	8.9811	8.7786	0.3218	+8.8883
3411	Velorum	6	51 45,62	2,165	+0,0074	+0,014	8.9620	8.7588	0.3354	+8.8581
3412	12 Sextantis	6½	51 56,08	3,121	−0,0077	0,000	8.7534	8.5494	0.4944	−7.6075
3413	Carinæ	7	51 56,27	1,273	−0,0168	−0,075	9.1878	8.9838	0.1049	+9.1564
3414	Velorum	6½	51 58,36	2,292	+0,0079	+0,023	8.9243	8.7202	0.3602	+8.7933
3415	29 Leonis ..... π	4½	52 17,07	3,180	−0,0100	+0,002	8.7578	8.5524	0.5024	−7.9406
3416	20 Leonis Minoris ..	6	52 21,11	3,524	−0,0268	−0,039	8.8275	8.6218	0.5470	−8.5596
3417	Antliæ ..... η	6	52 26,38	2,573	+0,0063	−0,009	8.8404	8.6344	0.4104	+8.6009
3418*	Leonis	8	53 3,64	+3,191	−0,0105	.....	8.7598	8.5511	+0.5039	−7.9851
3419	Chamæleontis	6	53 6,78	−0,666	−0,1994	+0,017	9.4868	9.2778	−9.8236	+9.4792
3420*	Leonis Minoris ..	7	9 53 21,03	+3,513	−0,0264	.....	−8.8267	+8.6168	+0.5457	−8.5540

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3376	16 24 40,1	+16,67	+0,454	+0,01	+9.6137	+9.9016	+1.2219	+9.7452	....	187	iii.1196	....	....	G 1586
3377	136 14 9,1	16,67	0,186	+0,19	−9.8460	−9.7785	1.2220	9.7449	....	....	v.1454	4053	2696	
3378	97 24 1,8	16,68	0,241	+0,04	−9.7006	−9.0299	1.2222	9.7445	1389	200	ii.1190			
3379	135 29 37,0	16,70	0,187	−0,17	−9.8445	−9.7737	1.2227	9.7432	....	....	v.1456	4055	2702	
3380	83 20 14,5	16,72	0,254	.....	−9.5646	+8.9855	1.2231	9.7424	....	....	.....	....	....	B.F 1402
3381	39 28 30,4	16,72	0,320	0,00	+9.1773	+9.8085	1.2232	9.7422	1387	199	iii.1198			
3382	135 50 44,8	16,72	0,186	−0,14	−9.8442	−9.7768	1.2232	9.7422	....	....	v.1458	4057	2704	
3383	81 13 10,8	16,73	0,256	+0,02	−9.5374	+9.1050	1.2235	9.7414	....	202	iii.1199	....	....	M 423
3384	166 4 36,3	16,74	0,008	+0,04	−9.8057	−9.9085	1.2236	9.7412	....	....	.....	4081	2711	
3385	116 37 57,3	16,74	0,217	+0,16	−9.8027	−9.5730	1.2237	9.7411	....	....	v.1459	4056	2705	
3386	84 21 1,7	16,74	0,253	0,00	−9.5772	+8.9146	1.2237	9.7411	1390	205	ii.1191			
3387	164 56 35,4	16,74	0,027	.....	−9.8092	−9.9064	1.2238	9.7408	....	....	.....	....	2713	
3388	148 43 12,2	16,75	0,149	−0,23	−9.8422	−9.8536	1.2240	9.7404	....	....	v.1463	4061	2709	
3389	152 2 36,7	16,76	0,135	+0,21	−9.8380	−9.8681	1.2242	9.7399	....	....	v.1464	4066	2710	
3390	31 52 14,4	16,76	0,341	+0,04	+9.3755	+9.8510	1.2242	9.7398	....	201	iii.1200	....	....	G 1590
3391	115 13 48,2	16,79	0,217	+0,23	−9.7964	−9.5525	1.2251	9.7378	....	....	v.1467	4059	2715	
3392	56 54 27,0	16,81	0,282	+0,03	−8.8176	+9.6604	1.2255	9.7369	1391	207	iii.1201			
3393	14 31 30,9	16,81	0,468	+0,04	+9.6223	+9.9093	1.2256	9.7367	1383	....	.....	....	....	Airy (G)
3394	144 40 10,4	16,81	0,162	+0,17	−9.8424	−9.8351	1.2257	9.7364	....	....	v.1472	4067	2722	
3395	140 26 26,1	16,84	0,174	−0,02	−9.8422	−9.8111	1.2262	9.7351	....	....	v.1473	4070	2724	R 177
3396	134 34 34,0	16,84	0,187	−0,03	−9.8390	−9.7703	1.2263	9.7350	....	213	iii.1203	4068	2723	R 176
3397	43 52 21,9	16,84	0,303	.....	+8.9571	+9.7820	1.2264	9.7348	....	....	.....	....	....	B.F 1404
3398	80 21 33,3	16,84	0,253	0,00	−9.5275	+9.1481	1.2264	9.7347	1393	212	ii.1192	....	....	B.F 1408
3399	48 13 54,9	16,84	0,294	0,00	+8.5786	+9.7477	1.2264	9.7347	1392	209	iii.1202			
3400	139 32 8,8	16,88	0,175	−0,03	−9.8404	−9.8064	1.2274	9.7323	....	....	v.1478	4075	2732	
3401	134 14 9,5	16,89	0,186	.....	−9.8371	−9.7690	1.2276	9.7319	....	....	.....	....	....	R 179
3402	32 28 23,4	16,89	0,331	.....	+9.3462	+9.8516	1.2276	9.7317	....	....	.....	....	....	B.F 1405
3403	120 22 55,7	16,90	0,208	+0,14	−9.8108	−9.6295	1.2278	9.7313	....	....	v.1480	4072	2733	
3404	74 3 55,2	16,92	0,257	+0,01	−9.4310	+9.3647	1.2283	9.7301	1394	215	iii.1205			
3405	122 42 30,2	16,92	0,204	+0,01	−9.8165	−9.6588	1.2283	9.7301	....	....	v.1483	4077	2738	
3406	76 50 29,9	16,92	0,254	+0,01	−9.4777	+9.2835	1.2284	9.7298	1395	216	ii.1193	....	....	M 425
3407	80 58 21,7	16,92	0,249	+0,07	−9.5371	+9.1219	1.2285	9.7297	1396	218	ii.1194	....	....	B.F 1411
3408	140 37 22,2	16,95	0,171	−0,32	−9.8377	−9.8152	1.2293	9.7277	....	....	v.1489	4085	2745	R 180
3409	59 38 22,5	16,96	0,272	+0,13	−9.0195	+9.6308	1.2294	9.7274	....	221	iii.1207	....	....	B.F 1412
3410	143 51 19,0	16,99	0,163	−0,04	−9.8358	−9.8351	1.2302	9.7254	....	....	v.1494	4093	2752	J 232, R 181
3411	141 55 31,0	17,00	0,168	−0,10	−9.8360	−9.8242	1.2304	9.7249	....	....	v.1496	4094	2754	
3412	85 54 4,7	17,00	0,241	+0,09	−9.5966	+8.7825	1.2306	9.7244	....	223	ii.1195	....	....	W 577
3413	158 28 41,1	17,01	0,098	−0,05	−9.8145	−9.8970	1.2306	9.7244	....	....	.....	4102	2760	R 182
3414	137 41 58,3	17,01	0,177	0,00	−9.8351	−9.7974	1.2306	9.7243	....	....	v.1498	4092	2758	
3415	81 14 16,9	17,02	0,245	+0,03	−9.5420	+9.1115	1.2310	9.7234	1398	225	ii.1197	....	2757	M 427
3416	57 20 28,2	17,02	0,272	+0,46	−8.9036	+9.6609	1.2311	9.7231	1397	224	iii.1208			
3417	125 10 31,6	17,03	0,198	+0,08	−9.8189	−9.6894	1.2312	9.7229	....	227	iii.1209	4095	2759	
3418	80 19 40,4	17,06	+ 0,245	.....	−9.5307	+9.1550	1.2319	9.7210	....	....	.....	....	....	B.F 1418
3419	169 20 44,9	17,06	− 0,051	−1,01	−9.7759	−9.9222	1.2320	9.7208	....	....	.....	4139	2772	
3420	57 44 53,1	+17,07	+0,269	.....	−8.9390	+9.6573	+1.2322	+9.7201	....	....	.....	....	....	B.F 1417

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3421	Ursæ Majoris	6	9 53 30,06	+3,931	−0,0545	.....	−8.9537	+8.7431	+0.5945	−8.8431
3422*	Carinæ	6½	53 46,45	1,305	−0,0154	+0,009	9.1882	8.9765	0.1155	+9.1565
3423*	Leonis	6½	54 26,53	3,362	−0,0185	+0,001	8.7901	8.5756	0.5265	−8.3761
3424*	Carinæ	7	54 30,57	1,783	+0,0019	−0,008	9.0780	8.8632	0.2512	+9.0223
3425*	Ursæ Majoris	6	54 36,75	4,050	−0,0645	+0,009	8.9926	8.7774	0.6074	−8.9039
3426	Carinæ	7	54 46,25	1,729	+0,0004	+0,030	9.0930	8.8771	0.2377	+9.0415
3427*	Leonis Minoris ..	7	55 13,51	3,527	−0,0276	.....	8.8343	8.6164	0.5474	−8.5748
3428	Hydræ	6	55 17,05	2,916	−0,0006	−0,002	8.7667	8.5485	0.4648	+8.1046
3429	Velorum	6	55 19,31	2,253	+0,0083	−0,010	8.9460	8.7276	0.3527	+8.8287
3430*	Leonis	8	55 20,38	3,180	−0,0101	.....	8.7615	8.5431	0.5024	−7.9536
3431*	Leonis Minoris ..	7	55 30,88	3,522	−0,0274	.....	8.8337	8.6146	0.5468	−8.5719
3432	Leonis	8	55 34,52	3,200	−0,0110	0,000	8.7640	8.5446	0.5052	−8.0296
3433	Velorum	6	56 0,38	2,073	+0,0072	.....	9.0025	8.7812	0.3167	+8.9178
3434	Leonis	7	56 6,25	3,221	−0,0119	+0,003	8.7673	8.5456	0.5080	−8.0975
3435	Velorum	6	56 14,06	2,170	+0,0081	−0,017	8.9742	8.7520	0.3365	+8.8745
3436	13 Sextantis	7	56 22,03	3,118	−0,0076	−0,005	8.7584	8.5356	0.4939	−7.5943
3437	Velorum	6	56 52,94	2,032	+0,0069	−0,008	9.0176	8.7926	0.3079	+8.9394
3438*	Sextantis	6½	56 57,29	3,139	−0,0084	.....	8.7602	8.5349	0.4968	−7.7595
3439*	Leonis Minoris ..	7	56 57,47	3,563	−0,0301	.....	8.8486	8.6233	0.5518	−8.6150
3440	Leonis	7½	57 8,59	3,175	−0,0099	−0,005	8.7633	8.5372	0.5018	−7.9438
3441	Carinæ	6	57 14,47	1,903	+0,0048	+0,023	9.0555	8.8289	0.2794	+8.9917
3442	Velorum	6½	57 25,57	2,367	+0,0086	+0,036	8.9161	8.6888	0.3742	+8.7724
3443*	Leonis	7	57 32,22	3,272	−0,0143	−0,003	8.7769	8.5491	0.5148	−8.2299
3444	40 Hydræ ..... v^2	5½	57 49,46	2,922	−0,0006	+0,004	8.7692	8.5401	0.4657	+8.0990
3445	Carinæ	6½	58 10,93	1,922	+0,0053	+0,013	9.0534	8.8227	0.2838	+8.9885
3446	21 Leonis Minoris ..	5	58 34,23	3,561	−0,0304	+0,010	8.8518	8.6194	0.5516	−8.6207
3447*	Carinæ	6	58 49,61	1,927	+0,0055	+0,001	9.0543	8.8209	0.2849	+8.9895
3448	Antliæ	6	58 53,47	2,613	+0,0066	−0,010	8.8424	8.6087	0.4172	+8.5917
3449	14 Sextantis	6	58 56,61	3,146	−0,0086	−0,002	8.7630	8.5290	0.4977	−7.8062
3450	Carinæ	6	58 56,66	1,847	+0,0039	−0,014	9.0769	8.8429	0.2665	+9.0194
3451	Velorum	6½	58 59,84	2,476	+0,0083	+0,005	8.8855	8.6513	0.3937	+8.7063
3452	Antliæ	6½	59 3,25	2,679	+0,0055	0,000	8.8236	8.5892	0.4280	+8.5247
3453	30 Leonis ..... η	3½	59 9,05	3,283	−0,0149	+0,002	8.7811	8.5462	0.5162	−8.2590
3454	Hydræ	6	59 15,73	2,755	+0,0040	.....	8.8039	8.5686	0.4401	+8.4325
3455	Velorum	6	59 22,89	2,253	+0,0091	−0,016	8.9581	8.7222	0.3528	+8.8460
3456	Leonis Minoris ..	6½	59 35,33	3,495	−0,c265	+0,001	8.8342	8.5974	0.5435	−8.5625
3457	31 Leonis .....A	5	9 59 56,47	3,197	−0,0109	−0,003	8.7690	8.5307	0.5048	−8.0390
3458*	15 Sextantis	5	10 0 15,59	3,075	−0,0058	+0,002	8.7617	8.5220	0.4878	−6.5592
3459	32 Leonis ..... α	1	0 22,95	3,221	−0,0120	−0,015	8.7726	8.5324	0.5080	−8.1147
3460	Leonis	7½	0 53,49	3,303	−0,0160	−0,001	8.7875	8.5450	0.5189	−8.3060
3461*	Velorum	6	0 59,87	2,362	+0,0093	.....	8.9280	8.6850	0.3732	+8.7914
3462	Velorum	7	1 10,65	2,271	+0,0094	0,000	8.9578	8.7141	0.3563	+8.8443
3463	16 Sextantis	6	1 23,15	3,151	−0,0089	+0,002	8.7661	8.5215	0.4984	−7.8461
3464	Leonis	7½	1 34,24	3,191	−0,0107	+0,002	8.7702	8.5248	0.5039	−8.0237
3465*	Velorum	6½	10 1 35,59	+2,231	+0,0094	.....	−8.9719	+8.7264	+0.3485	+8.8673

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3421	39 10 9,9	+17,08	+0,301	.....	+9.1219	+9.8197	+1.2324	+9.7196	....	....	.....	....	....	G 1598
3422	158 23 13,5	17,09	0,100	−0,07	−9.8104	−9.8988	1.2327	9.7188	....	....	.....	4113	2770	R 183
3423	67 19 44,8	17,12	0,255	+0,01	−9.3002	+9.5172	1.2335	9.7167	....	230	ii.1198	....	....	B.H 892
3424	151 36 2,7	17,12	0,135	+0,22	−9.8224	−9.8757	1.2336	9.7165	....	....	v.1507	4112	2776	
3425	35 23 8,7	17,13	0,307	+0,04	+9.2375	+9.8428	1.2337	9.7162	....	229	iii.1211	....	....	B.F 1414
3426	152 37 37,5	17,14	0,131	+0,18	−9.8201	−9.8801	1.2339	9.7157	....	....	.....	4117	2778	R 184
3427	56 37 44,6	17,15	0,266	.....	−8.8893	+9.6726	1.2344	9.7143	....	....	.....	....	....	B.F 1420
3428	102 34 30,0	17,16	0,220	−0,06	−9.7294	−9.2701	1.2345	9.7141	....	232	iv. 705	....	....	W 579
3429	139 45 29,8	17,16	0,170	−0,04	−9.8296	−9.8150	1.2345	9.7140	....	....	v.1509	4114	2783	
3430	81 2 48,0	17,16	0,240	.....	−9.5418	+9.1244	1.2345	9.7139	....	....	.....	....	....	B.F 1422
3431	56 49 16,3	17,17	0,266	.....	−8.9047	+9.6707	1.2347	9.7134	....	....	.....	....	....	B.F 1421
3432	79 22 39,1	17,17	0,241	0,00	−9.5202	+9.1982	1.2348	9.7132	....	234	iv. 706	....	....	M 428
3433	145 22 33,7	17,19	0,156	.....	−9.8263	−9.8484	1.2353	9.7118	....	....	v.1513	4129	2789	
3434	77 38 51,3	17,20	0,242	+0,01	−9.4967	+9.2634	1.2354	9.7115	....	237	ii.1200	....	....	M 429
3435	142 38 30,1	17,20	0,163	−0,12	−9.8274	−9.8336	1.2356	9.7111	....	....	v.1516	4123	2790	
3436	86 4 15,4	17,21	0,234	+0,11	−9.5996	+8.7693	1.2357	9.7107	1400	238	ii.1201			
3437	146 37 49,5	17,23	0,152	+0,51	−9.8235	−9.8558	1.2363	9.7090	....	....	v.1522	4133	2801	
3438	84 16 14,2	17,23	0,234	.....	−9.5806	+8.9334	1.2364	9.7088	....	....	.....	....	....	B.F 1425
3439	54 16 10,6	17,23	0,266	.....	−8.7292	+9.7005	1.2364	9.7088	....	....	.....	....	....	B.F 1423
3440	81 17 2,1	17,24	0,237	+0,07	−9.5461	+9.1149	1.2366	9.7082	....	239	iii.1214	....	2799	M 430
3441	149 41 56,5	17,25	0,142	+0,06	−9.8194	−9.8707	1.2367	9.7079	....	....	v.1525	4138	2806	R 185
3442	135 54 43,5	17,25	0,176	+0,07	−9.8248	−9.7910	1.2369	9.7073	....	....	v.1526	4131	2805	
3443	73 30 50,8	17,26	0,243	−0,10	−9.4339	+9.3878	1.2370	9.7070	....	240	ii.1202	....	2803	B.F 1426
3444	102 20 20,0	17,27	0,217	−0,08	−9.7263	−9.2649	1.2373	9.7060	1402	241	ii.1203			
3445	149 27 11,4	17,29	0,142	−0,08	−9.8176	−9.8706	1.2377	9.7049	....	....	v.1531	4145	2815	R 186
3446	54 1 35,1	17,31	0,263	0,00	−8.7348	+9.7049	1.2382	9.7036	1401	242	ii.1204			
3447	149 28 23,2	17,32	0,142	−0,22	−9.8162	−9.8714	1.2385	9.7028	....	....	v.1537	4151	2827	R 188
3448	124 9 19,1	17,32	0,192	+0,02	−9.8077	−9.6856	1.2385	9.7026	....	247	iii.1215	4141	2821	
3449	83 39 29,0	17,32	0,231	−0,03	−9.5747	+8.9796	1.2386	9.7024	1404	244	ii.1205			
3450	151 9 29,5	17,32	0,136	−0,05	−9.8135	−9.8789	1.2386	9.7024	....	....	v.1542	4153	2831	R 189
3451	131 26 38,0	17,32	0,182	−0,14	−9.8187	−9.7572	1.2387	9.7022	....	....	v.1540	4144	2825	R 187
3452	120 9 51,4	17,33	0,197	+0,31	−9.7981	−9.6376	1.2387	9.7021	....	....	v.1541	4143	2823	
3453	72 30 27,3	17,33	0,241	−0,01	−9.4193	+9.4146	1.2388	9.7017	1403	245	ii.1206	....	....	M 432
3454	115 9 47,2	17,34	0,202	.....	−9.7829	−9.5653	1.2389	9.7014	....	....	.....	....	2830	
3455	140 35 12,7	17,34	0,165	−0,21	−9.8219	−9.8248	1.2391	9.7010	....	....	v.1544	4152	2834	R 190
3456	57 39 40,5	17,35	0,256	+0,07	−8.9930	+9.6654	1.2393	9.7003	....	246	iii.1216	....	....	B.F 1429
3457	79 16 7,8	17,37	0,233	+0,05	−9.5228	+9.2075	1.2397	9.6992	1405	248	ii.1207	....	2836	M 433
3458	89 38 26,0	17,38	0,224	+0,01	−9.6344	+7.7353	1.2400	9.6981	1407	250	ii.1208	....	....	P 420
3459	77 18 6,6	17,39	0,234	0,00	−9.4967	+9.2800	1.2402	9.6977	1406	251	ii.1209	....	2838	M 434
3460	70 43 52,0	17,41	0,239	−0,06	−9.3904	+9.4570	1.2407	9.6960	1408	....	.....	....	....	L 222
3461	136 54 21,9	17,41	0,171	.....	−9.8188	−9.8021	1.2408	9.6957	....	....	.....	4158		
3462	140 20 54,7	17,42	0,164	−0,11	−9.8185	−9.8253	1.2410	9.6951	....	....	v.1548	4161	2844	R 192
3463	83 5 41,8	17,43	0,227	−0,01	−9.5697	+9.0190	1.2413	9.6944	1409	253	ii.1210			
3464	79 40 29,3	17,44	0,230	+0,06	−9.5293	+9.1927	1.2415	9.6938	....	255	iii.1218	....	....	M 435
3465	141 48 15,0	+17,44	+0,161	.....	−9.8172	−9.8346	+1.2415	+9.6937	....	....	v.1550	....	2847	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3466	Leonis Minoris....	6	10 1 55,17	+3,651	−0,0371	−0,005	−8.8884	+8.6414	+0.5625	−8.7088
3467	Carinæ	•	2 15,34	1,910	+0,0057	.....	9.0713	8.8228	0.2811	+9.0109
3468*	Leonis Minoris....	6½	2 18,75	3,586	−0,0329	.....	8.8682	8.6195	0.5547	−8.6589
3469	33 Leonis	7	2 36,17	3,264	−0,0142	+0,005	8.7824	8.5324	0.5138	−8.2343
3470	17 Sextantis	6	2 40,43	2,982	−0,0023	+0,002	8.7682	8.5179	0.4746	+7.8938
3471*	Hydræ	6	2 47,35	2,931	−0,0005	.....	8.7742	8.5233	0.4670	+8.0947
3472	Velorum .....Q	5½	3 15,65	2,263	+0,0098	−0,003	8.9668	8.7139	0.3547	+8.8578
3473	41 Hydræ .....λ	4½	3 16,75	2,937	−0,0007	−0,010	8.7740	8.5209	0.4678	+8.0779
3474	18 Sextantis	6	3 28,39	2,983	−0,0022	+0,002	8.7691	8.5152	0.4746	+7.8949
3475*	34 Leonis	6	3 34,04	3,234	−0,0128	+0,008	8.7785	8.5242	0.5097	−8.1650
3476*	Sextantis	6	3 48,41	2,996	−0,0027	+0,011	8.7684	8.5130	0.4765	+7.8275
3477	Carinæ	6	3 59,66	1,215	−0,0211	−0,050	9.2475	8.9913	0.0845	+9.2225
3478*	Carinæ	7	4 13,87	1,964	+0,0070	.....	9.0628	8.8056	0.2932	+8.9990
3479	Carinæ	7	4 27,39	+1,700	+0,0004	+0,009	9.1366	8.8783	+0.2304	+9.0930
3480	Chamæleontis ..μ^1	5½	4 31,30	−1,242	−0,3215	+0,001	9.5959	9.3374	−0.0942	+9.5911
3481	Carinæ	6	4 32,71	+1,681	−0,0002	.....	9.1417	8.8830	+0.2257	+9.0993
3482*	Carinæ	6	4 52,92	1,698	+0,0005	+0,798	9.1387	8.8785	0.2299	+9.0956
3483	19 Sextantis	7	4 59,81	3,131	−0,0080	−0,004	8.7687	8.5080	0.4957	−7.7386
3484*	Leonis Minoris....	•	5 32,31	3,473	−0,0262	−0,003	8.8397	8.5766	0.5407	−8.5659
3485	Leonis	7	6 13,87	3,327	−0,0177	−0,013	8.8006	8.5343	0.5220	−8.3726
3486*	20 Sextantis	7	6 17,15	2,997	−0,0025	−0,011	8.7710	8.5045	0.4766	+7.8344
3487	Leonis	7	6 23,57	3,264	−0,0144	+0,003	8.7873	8.5203	0.5137	−8.2503
3488	Carinæ	6	6 25,38	2,050	+0,0087	−0,033	9.0451	8.7780	0.3117	+8.9740
3489	Hydræ	6	6 25,79	2,757	+0,0048	−0,012	8.8157	8.5485	0.4404	+8.4619
3490*	22 Leonis Minoris....	6	6 27,99	3,471	−0,0263	−0,007	8.8409	8.5735	0.5405	−8.5676
3491	Carinæ	6	6 34,16	2,081	+0,0092	+0,022	9.0361	8.7682	0.3182	+8.9612
3492	21 Sextantis	6	6 39,96	+2,990	−0,0022	+0,002	8.7720	8.5037	+0.4757	+7.8731
3493	Chamæleontis ..μ^2	5½	6 46,28	−0,855	−0,2588	−0,050	9.5660	9.2973	−9.9320	+9.5604
3494	Antliæ	6	6 47,57	+2,670	+0,0068	−0,040	8.8416	8.5728	+0.4265	+8.5693
3495*	Ursæ Majoris	5½	6 56,83	10,321	−1,7282	−0,114	9.8292	9.5598	1.0137	−9.8275
3496	32 Ursæ Majoris	5	7 4,60	4,481	−0,1180	−0,013	9.1571	8.8870	0.6514	−9.1174
3497	Antliæ	6	7 23,31	2,549	+0,0090	−0,021	8.8825	8.6109	0.4063	+8.6870
3498	Antliæ	6	7 33,33	2,550	+0,0090	0,000	8.8824	8.6101	0.4065	+8.6866
3499	Velorum .....R	5½	7 36,30	2,307	+0,0107	+0,005	8.9659	8.6933	0.3630	+8.8532
3500	23 Leonis Minoris....	5½	7 42,43	3,435	−0,0243	−0,002	8.8323	8.5593	0.5359	−8.5319
3501	Velorum	6	7 43,63	2,293	+0,0107	−0,005	8.9708	8.6978	0.3605	+8.8614
3502	Carinæ	6	7 57,26	2,018	+0,0085	−0,001	9.0602	8.7861	0.3050	+8.9941
3503	24 Leonis Minoris....	7	7 57,64	3,425	−0,0237	+0,003	8.8298	8.5557	0.5346	−8.5212
3504	Velorum	7	7 59,47	2,145	+0,0100	−0,015	9.0205	8.7463	0.3315	+8.9383
3505	33 Ursæ Majoris ..λ	3½	8 1,94	3,670	−0,0404	−0,011	8.9105	8.6360	0.5646	−8.7496
3506	Leonis	6	8 5,54	3,280	−0,0154	+0,005	8.7930	8.5182	0.5159	−8.2941
3507	35 Leonis	6	8 13,51	3,353	−0,0195	−0,014	8.8102	8.5348	0.5254	−8.4237
3508	36 Leonis .....ζ	4½	8 20,43	3,351	−0,0194	+0,004	8.8100	8.5341	0.5252	−8.4221
3509	Velorum .....ϱ	4	8 27,11	2,520	+0,0096	−0,007	8.8951	8.6187	0.4013	+8.7153
3510	37 Leonis	6	10 8 37,37	+3,232	−0,0129	+0,003	−8.7845	+8.5073	+0.5094	−8.1823

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3466	48 36 10,1	+17,45	+0,262	−0,03	+6.4771	+9.7600	+1.2418	+9.6926	....	254	iii.1219	....	....	G 1617
3467	150 28 58,2	17,47	0,137	.....	−9.8072	−9.8796	1.2422	9.6915	....	....	.....	....	....	R 193
3468	51 51 39,2	17,47	0,257	.....	−8.5786	+9.7307	1.2423	9.6913	....	....	.....	....	....	B.F 1445
3469	73 33 22,3	17,48	0,233	+0,01	−9.4433	+9.3922	1.2426	9.6903	....	256	iii.1220			
3470	97 40 21,4	17,48	0,213	−0,04	−9.6950	−9.0659	1.2426	9.6901	1410	1	ii.1211			
3471	102 4 31,0	17,49	0,209	.....	−9.7217	−9.2611	1.2428	9.6897	....	....	.....	....	....	B.F 1439
3472	141 4 37,3	17,51	0,161	−0,08	−9.8143	−9.8320	1.2433	9.6881	....	....	v.1557	4172	2860	
3473	101 36 51,8	17,51	0,209	+0,09	−9.7188	−9.2450	1.2433	9.6880	1412	2	ii.1212	....	....	J 233
3474	97 40 36,5	17,52	0,212	−0,09	−9.6947	−9.0670	1.2435	9.6874	1413	5	ii.1213			
3475	75 54 24,9	17,52	0,229	+0,11	−9.4806	+9.3279	1.2436	9.6871	1411	3	ii.1214	....	....	M 436
3476	96 34 44,4	17,53	0,212	0,00	−9.6873	−9.0007	1.2438	9.6862	1414	6	ii.1215	....	....	B.F 1443
3477	160 44 46,1	17,54	0,086	+0,27	−9.7787	−9.9168	1.2440	9.6856	....	....	.....	4194	2869	
3478	149 40 50,1	17,55	0,139	.....	−9.8040	−9.8782	1.2443	9.6848	....	....	v.1562	....	2867	R 194
3479	154 46 12,5	17,56	+0,120	−0,17	−9.7938	−9.8988	1.2445	9.6840	....	....	.....	4191	....	R 195
3480	171 29 15,1	17,56	−0,088	−0,07	−9.7338	−9.9376	1.2446	9.6838	....	....	.....	4232	2880	
3481	155 4 58,2	17,56	+0,118	.....	−9.7928	−9.9000	1.2446	9.6837	....	....	.....	....	2871	
3482	154 52 40,9	17,58	0,119	+0,15	−9.7925	−9.8996	1.2450	9.6825	....	....	.....	4184	2870	R 196
3483	84 38 47,2	17,58	0,220	+0,03	−9.5879	+8.9128	1.2451	9.6822	1417	7	ii.1216			
3484	57 49 56,9	17,61	0,243	.....	−9.0504	+9.6697	1.2456	9.6803	1416	....	.....	....	....	L 150
3485	68 5 11,2	17,63	0,231	+0,07	−9.3518	+9.5161	1.2464	9.6779	....	10	ii.1217	....	....	M 437
3486	96 38 37,7	17,64	0,208	−0,03	−9.6867	−9.0075	1.2464	9.6777	1419	16	iii.1225			
3487	73 7 5,1	17,64	0,226	−0,01	−9.4428	+9.4073	1.2465	9.6773	....	13	iii.1226	....	....	M 438
3488	148 5 24,8	17,64	0,142	−0,01	−9.8015	−9.8732	1.2466	9.6772	....	....	.....	4200	2884	
3489	116 17 14,7	17,64	0,191	−0,43	−9.7779	−9.5906	1.2466	9.6772	....	....	v.1570	4193	2881	
3490	57 47 20,7	17,64	0,241	0,00	−9.0561	+9.6711	1.2466	9.6770	1418	12	iii.1227			
3491	147 19 15,7	17,65	0,144	+0,01	−9.8022	−9.8696	1.2467	9.6767	....	....	v.1573	4201	2887	
3492	97 15 4,1	17,65	+0,207	+0,02	−9.6906	−9.0457	1.2468	9.6763	1420	17	ii.1218			
3493	170 49 33,3	17,66	−0,059	−1,21	−9.7302	−9.9391	1.2469	9.6760	....	....	.....	4246	2901	
3494	122 17 34,8	17,66	+0,185	−0,02	−9.7925	−9.6725	1.2469	9.6759	....	18	v.1574	4196	2888	
3495	4 59 30,4	17,66	0,713	+0,07	+9.6375	+9.9432	1.2471	9.6754	1399	252	iii.1221	....	....	B.H 259
3496	24 8 44,9	17,67	0,309	+0,04	+9.4050	+9.9052	1.2472	9.6749	1415	9	iii.1228			
3497	129 36 15,4	17,68	0,175	−0,07	−9.8028	−9.7498	1.2475	9.6738	....	....	v.1577	4202	2892	
3498	129 34 6,1	17,69	0,175	+0,03	−9.8025	−9.7496	1.2477	9.6732	....	....	v.1578	4204	2894	
3499	140 29 28,9	17,69	0,159	−0,01	−9.8058	−9.8329	1.2478	9.6730	....	....	v.1579	4206	2895	
3500	59 56 44,1	17,70	0,236	+0,11	−9.1458	+9.6453	1.2479	9.6727	1422	19	iii.1230			
3501	141 0 52,2	17,70	0,157	−0,07	−9.8053	−9.8363	1.2479	9.6726	....	....	v.1580	4208	2896	
3502	149 10 32,7	17,71	0,138	−0,04	−9.7964	−9.8798	1.2481	9.6718	....	....	v.1581	4217	2899	
3503	60 34 10,7	17,71	0,235	+0,14	−9.1679	+9.6373	1.2481	9.6718	1423	21	iii.1231			
3504	145 50 43,3	17,71	0,147	+0,22	−9.8008	−9.8637	1.2482	9.6716	....	....	v.1582	4215	2900	
3505	46 20 19,1	17,71	0,251	+0,06	+8.0043	+9.7851	1.2482	9.6715	1421	20	ii.1219			
3506	71 30 52,9	17,71	0,224	0,00	−9.4198	+9.4472	1.2483	9.6713	....	23	ii.1220	....	....	M 439
3507	65 45 13,2	17,72	0,229	+0,01	−9.3081	+9.5596	1.2484	9.6708	1424	24	iii.1232			
3508	65 50 13,6	17,72	0,229	−0,02	−9.3103	+9.5584	1.2485	9.6704	1425	25	ii.1221			
3509	131 22 52,7	17,73	0,172	+0,18	−9.8026	−9.7666	1.2486	9.6700	....	29	ii.1223	4212	2904	J234, R197
3510	75 31 33,2	+17,73	+0,220	+0,04	−9.4822	+9.3444	+1.2488	+9.6694	1426	27	ii.1222	....	....	M 440

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3511	39 Leonis	6	10 8 58,93	+3,346	−0,0191	−0,029	−8.8096	+8.5308	+0.5245	−8.4165
3512	Velorum	6	9 14,67	2,504	+0,0099	+0,009	8.9025	8.6225	0.3986	+8.7311
3513	Carinæ .....M	5½	9 17,92	1,700	+0,0009	+0,046	9.1556	8.8753	0.2304	+9.1151
3514*	Ursæ Majoris	6	9 31,91	4,728	−0,1524	−0,015	9.2270	8.9457	0.6747	−9.1986
3515	Ursæ Majoris	6	9 42,82	3,685	−0,0422	+0,009	8.9206	8.6384	0.5665	−8.7686
3516	Argûs .....ω	4	10 10,11	1,440	−0,0096	−0,014	9.2235	8.9392	0.1582	+9.1945
3517	22 Sextantis	6	10 10,69	2,991	−0,0021	−0,008	8.7756	8.4912	0.4759	+7.8809
3518	Leonis	7½	10 22,93	3,217	−0,0122	−0,015	8.7842	8.4989	0.5074	−8.1483
3519	Ursæ Majoris	6	10 46,93	3,945	−0,0647	.....	9.0137	8.7265	0.5961	−8.9269
3520	Carinæ	6	10 56,17	2,045	+0,0095	+0,003	9.0629	8.7750	0.3107	+8.9967
3521	Antliæ	6	11 15,50	2,743	+0,0059	+0,006	8.8281	8.5388	0.4382	+8.5032
3522	40 Leonis	6	11 33,89	3,295	−0,0165	−0,014	8.8010	8.5102	0.5179	−8.3398
3523	41 Leonis .....γ	2	11 41,75	+3,299	−0,0167	+0,023	8.8022	8.5108	+0.5184	−8.3485
3524	Octantis	6	11 57,11	−2,138	−0,5510	−0,382	9.7100	9.4174	−0.3300	+9.7071
3525	Ursæ Majoris	6	12 3,57	+3,629	−0,0386	+0,004	8.9069	8.6138	+0.5597	−8.7374
3526	Carinæ .....q	5	12 4,94	1,995	+0,0089	−0,009	9.0827	8.7894	0.2999	+9.0227
3527	Velorum	6½	12 5,97	2,545	+0,0099	+0,021	8.8956	8.6023	0.4057	+8.7118
3528*	Draconis	5½	12 15,65	8,238	−0,9968	−0,106	9.7081	9.4140	0.9158	−9.7051
3529*	Leonis	6	12 41,15	3,147	−0,0087	.....	8.7779	8.4818	0.4979	−7.8750
3530*	Ursæ Majoris	6	13 14,57	3,611	−0,0376	−0,006	8.9038	8.6052	0.5576	−8.7293
3531*	Ursæ Majoris	5	13 15,20	4,440	−0,1203	+0,005	9.1712	8.8725	0.6474	−9.1330
3532	23 Sextantis	6	13 17,21	3,103	−0,0066	+0,003	8.7756	8.4767	0.4917	−7.5005
3533	34 Ursæ Majoris ..μ	3	13 22,61	3,616	−0,0380	−0,001	8.9058	8.6065	0.5582	−8.7334
3534	42 Leonis	6	13 45,96	3,239	−0,0135	−0,002	8.7921	8.4909	0.5104	−8.2252
3535	Carinæ	6	13 57,26	1,851	+0,0060	.....	9.1327	8.8306	0.2674	+9.0860
3536	Velorum V	5	13 59,05	2,241	+0,0119	−0,002	9.0094	8.7072	0.3504	+8.9189
3537	Velorum	6½	14 10,67	2,433	+0,0116	+0,015	8.9417	8.6385	0.3862	+8.8054
3538*	Leonis	6½	14 19,40	3,173	−0,0100	−0,007	8.7823	8.4785	0.5014	−8.0096
3539	26 Leonis Minoris....	6½	14 23,71	3,502	−0,0300	+0,001	8.8680	8.5638	0.5443	−8.6369
3540	Sextantis	7	14 23,89	3,071	−0,0052	+0,012	8.7761	8.4719	0.4872	−4.1606
3541	Carinæ	6	14 26,27	1,856	+0,0062	−0,013	9.1331	8.8288	0.2686	+9.0865
3542	27 Leonis Minoris....	6½	14 27,42	3,482	−0,0286	+0,004	8.8610	8.5566	0.5418	−8.6159
3543	Carinæ	6	15 6,19	1,838	+0,0058	+0,010	9.1409	8.8334	0.2644	+9.0960
3544	43 Leonis	6	15 9,23	3,146	−0,0087	0,000	8.7803	8.4726	0.4978	−7.8845
3545	Leonis Minoris....	7	15 11,81	3,417	−0,0244	+0,001	8.8409	8.5330	0.5336	−8.5447
3546	Velorum .....T	5	15 20,25	2,219	+0,0121	−0,023	9.0215	8.7129	0.3462	+8.9364
3547	Velorum	neb.	15 26,18	2,343	+0,0122	−0,028	8.9781	8.6690	0.3699	+8.8685
3548	28 Leonis Minoris....	6½	15 30,34	3,475	−0,0284	−0,001	8.8610	8.5515	0.5409	−8.6138
3549	Carinæ	6	15 43,76	1,725	+0,0025	−0,020	9.1751	8.8646	0.2368	+9.1372
3550	24 Sextantis	6½	15 47,93	3,069	−0,0050	+0,009	8.7774	8.4665	0.4870	+6.1823
3551	25 Sextantis	6½	15 51,68	3,037	−0,0036	−0,001	8.7782	8.4670	0.4824	+7.5405
3552	Velorum....?...r	5	15 54,07	2,563	+0,0104	−0,005	8.8990	8.5877	0.4087	+8.7151
3553*	Sextantis	6	15 56,89	3,041	−0,0038	.....	8.7781	8.4665	0.4830	+7.4800
3554	Antliæ	6	16 21,28	2,741	+0,0068	+0,009	8.8378	8.5243	0.4380	+8.5289
3555	Leonis	7½	10 16 22,17	+3,188	−0,0109	−0,009	−8.7865	+8.4729	+0.5035	−8.0804

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3511	66 8 35,5	+17,75	+0,227	+0,10	−9.3193	+9.5538	+1.2491	+9.6681	1427	28	iii.1233			
3512	132 21 58,1	17,76	0,170	+0,17	−9.8019	−9.7758	1.2494	9.6671	....	32	iii.1235	4222	2914	
3513	155 37 50,5	17,76	0,115	+0,05	−9.7797	−9.9067	1.2495	9.6670	....	....	.....	4233	2918	
3514	20 30 4.7	17,77	0,320	+0,06	+9.4506	+9.9191	1.2497	9.6661	....	26	iii.1234	....	....	B.F 1446
3515	45 11 33,8	17,78	0,249	+0,42	+8.2625	+9.7957	1.2499	9.6655	....	31	iii.1236	....	....	G 1636
3516	159 17 38,0	17,80	0,097	−0,03	−9.7669	−9.9191	1.2503	9.6638	....	....	ii.1225	4243	2924	J235, R198
3517	97 19 17,5	17,80	0,201	+0,01	−9.6895	−9.0534	1.2503	9.6638	1428	33	ii.1224			
3518	76 37 44,2	17,81	0,216	+0,06	−9.4994	+9.3124	1.2505	9.6630	....	34	iv. 712	....	....	M 441
3519	35 1 56,4	17,82	0,264	.....	+9.1021	+9.8619	1.2509	9.6616	....	....	.....	....	....	G 1638
3520	149 9 20,9	17,83	0,137	+0,04	−9.7894	−9.8826	1.2511	9.6610	....	....	v.1590	4241	2926	
3521	118 14 35,6	17,84	0,183	+0,01	−9.7771	−9.6242	1.2514	9.6598	....	39	ii.1226	4234	2927	
3522	69 46 12,0	17,85	0,219	+0,23	−9.3972	+9.4883	1.2517	9.6587	1431	36	ii.1227	....	....	M 442
3523	69 24 5,8	17,86	+0,219	+0,15	−9.3911	+9.4959	1.2518	9.6582	1432	38	ii.1228	....	2929	M 443
3524	173 20 59,9	17,87	−0,142	+0,17	−9.7002	−9.9469	1.2521	9.6572	....	....	.....	4297	2950	
3525	47 23 56,2	17,87	+0,240	0,00	−8.0899	+9.7805	1.2522	9.6568	1430	40	iii.1239	....	....	B.F 1459
3526	150 35 2,2	17,87	0,132	0,00	−9.7841	−9.8900	1.2522	9.6567	....	....	ii.1229	4249	2935	J236, R199
3527	130 55 8,4	17,87	0,168	+0,06	−9.7959	−9.7662	1.2522	9.6567	....	....	v.1594	4244	2933	
3528	6 41 2,7	17,88	0,544	+0,07	+9.6014	+9.9472	1.2524	9.6561	....	22	iii.1238	....	....	B.H 258
3529	82 48 58,9	17,90	0,207	.....	−9.5731	+9.0476	1.2528	9.6545	....	....	.....	....	....	B.F 1464
3530	48 0 33,7	17,92	0,237	+0,01	−8.3424	+9.7765	1.2533	9.6524	1433	44	iii.1242	....	....	B.F 1462
3531	23 40 38,4	17,92	0,291	+0,06	+9.3748	+9.9129	1.2533	9.6524	1429	42	iii.1241	....	....	B.F 1457
3532	86 57 28,2	17,92	0,203	−0,01	−9.6124	+8.6760	1.2533	9.6522	1435	46	ii.1231			
3533	47 44 52,6	17,92	0,237	−0,03	−8.2900	+9.7788	1.2534	9.6519	1434	45	ii.1230			
3534	74 16 10,3	17,94	0,211	+0,01	−9.4720	+9.3847	1.2538	9.6504	1436	47	ii.1232	....	....	M 444
3535	153 55 29,8	17,95	0,121	.....	−9.7720	−9.9051	1.2540	9.6497	....	....	.....	....	2955	
3536	144 16 39.4	17,95	0,146	+0,14	−9.7894	−9.8613	1.2540	9.6496	....	....	v.1608	4263	2952	
3537	136 56 46,9	17,96	0,158	−0,04	−9.7937	−9.8157	1.2542	9.6489	....	....	v.1609	4260	2954	
3538	80 16 57,0	17,96	0,206	+0,11	−9.5473	+9.1795	1.2543	9.6483	....	51	iii.1244	....	....	B.F 1469
3539	54 1 35,1	17,96	0,227	−0,01	−8.9542	+9.7211	1.2544	9.6480	1437	48	iii.1243			
3540	89 59 55,0	17,96	0,199	+0,19	−9.6375	+5.3367	1.2544	9.6480	....	52	iii.1246			
3541	153 55 36,4	17,97	0,120	+0,14	−9.7709	−9.9056	1.2544	9.6479	....	....	.....	4268	2962	R 200
3542	55 20 15,7	17,97	0,226	+0,09	−9.0175	+9.7071	1.2544	9.6478	1438	49	iii.1245			
3543	154 23 1,1	17,99	0,119	+0,06	−9.7680	−9.9079	1.2551	9.6453	....	....	.....	4274	....	R 201
3544	82 41 50,3	17,99	0,203	+0,10	−9.5732	+9.0571	1.2551	9.6451	1441	54	ii.1233			
3545	59 37 42,0	17,99	0,220	+0,10	−9.1796	+9.6567	1.2551	9.6450	....	53	iii.1247	....	....	B.F 1470
3546	145 17 27,3	18,00	0,143	+0,34	−9.7850	−9.8680	1.2553	9.6444	....	....	ii.1234	4272	2972	J 237
3547	140 59 19,6	18,00	0,151	+0,67	−9.7892	−9.8436	1.2554	9.6440	....	....	.....	4270	2973	
3548	55 31 32,2	18,01	0,223	+0,07	−9.0358	+9.7061	1.2554	9.6438	1440	55	iii.1248			
3549	156 24 41,6	18,02	0,111	−0,36	−9.7607	−9.9155	1.2556	9.6429	....	....	.....	4280	....	R 203
3550	90 8 44,2	18,02	0,197	+0,10	−9.6386	−7.3584	1.2557	9.6426	1442	57	iii.1249			
3551	93 18 59,7	18,02	0,194	−0,05	−9.6614	−8.7159	1.2558	9.6424	1443	59	iii.1250			
3552	130 53 50,1	18,02	0,164	+0,06	−9.7891	−9.7696	1.2558	9.6422	....	61	ii.1235	4271	2974	J238, R202
3553	92 53 7,0	18,02	0,195	.....	−9.6585	−8.6555	1.2558	9.6420	....	....	.....	....	....	B.F,1476
3554	119 24 17,8	18,04	0,175	+0,10	−9.7728	−9.6451	1.2562	9.6405	....	....	v.1621	4273	2978	
3555	78 39 10,9	+18,04	+0,203	−0,01	−9.5308	+9.2479	+1.2562	+9.6404	....	60	iii.1252	....	....	M 446

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3556*	Carinæ	7	10 16 38,63	+1,852	+0,0065	−0,011	−9.1432	+8.8282	+0.2677	+9.0984
3557	Antliæ	6	16 55,86	2,629	+0,0095	−0,007	8.8775	8.5612	0.4197	+8.6595
3558	Antliæ .....γ	5½	17 2,39	2,750	+0,0067	+0,006	8.8363	8.5194	0.4394	+8.5203
3559	29 Leonis Minoris....	5½	17 4,95	3,495	−0,0302	−0,008	8.8716	8.5546	0.5435	−8.6428
3560	30 Leonis Minoris....	4½	17 18,33	3,470	−0,0284	0,000	8.8631	8.5450	0.5403	−8.6169
3561	44 Leonis	6	17 20,55	3,168	−0,0099	−0,007	8.7849	8.4666	0.5008	−8.0044
3562	Leonis	6½	17 41,33	3,168	−0,0099	+0,007	8.7852	8.4652	0.5007	−8.0043
3563	Sextantis	6½	18 14,98	3,007	−0,0022	−0,002	8.7823	8.4595	0.4782	+7.8230
3564	Carinæ L	5½	18 32,50	1,776	+0,0045	−0,003	9.1730	8.8489	0.2493	+9.1342
3565	Ursæ Majoris	6	18 33,81	3,593	−0,0380	−0,009	8.9114	8.5871	0.5555	−8.7399
3566*	Sextantis	7½	18 45,51	3,014	−0,0025	−0,011	8.7822	8.4570	0.4791	+7.7766
3567	Ursæ Majoris	6	18 46,21	3,742	−0,0506	.....	8.9684	8.6431	0.5731	−8.8500
3568	42 Hydræ .....μ	4	18 50,40	2,906	+0,0020	−0,006	8.7975	8.4719	0.4633	+8.2397
3569	Velorum	6½	18 51,71	2,562	+0,0111	+0,015	8.9071	8.5814	0.4085	+8.7301
3570*	26 Sextantis..	6	18 57,33	3,068	−0,0049	−0,001	8.7803	8.4541	0.4869	+6.3807
3571	35 Ursæ Majoris	6	19 11,02	4,373	−0,1192	−0,007	9.1779	8.8506	0.6408	−9.1399
3572	31 Leonis Minoris..β	4½	19 11,80	3,507	−0,0317	−0,005	8.8809	8.5535	0.5449	−8.6650
3573	27 Sextantis	6	19 12,31	3,035	−0,0033	0,000	8.7814	8.4539	0.4821	+7.5823
3574	Carinæ	6	19 33,93	2,169	+0,0127	−0,024	9.0544	8.7252	0.3363	+8.9819
3575	45 Leonis	6	19 43,49	3,176	−0,0104	+0,003	8.7883	8.4583	0.5019	−8.0500
3576	Sextantis	7	19 55,84	3,069	−0,0049	+0,009	8.7811	8.4501	0.4869	+6.3294
3577*	Draconis	6	20 14,59	6,739	−0,6022	−0,004	9.5999	9.2674	0.8286	−9.5948
3578	Antliæ .....α	4½	20 17,69	2,741	+0,0074	−0,005	8.8453	8.5125	0.4379	+8.5482
3579*	Leonis	6	20 47,25	3,222	−0,0130	−0,001	8.7972	8.4619	0.5081	−8.2132
3580	36 Ursæ Majoris	5	20 59,63	3,924	−0,0693	−0,013	9.0430	8.7068	0.5938	−8.9654
3581	Velorum	6	21 2,63	2,297	+0,0136	.....	9.0141	8.6776	0.3612	+8.9227
3582*	Sextantis	6	21 7,68	3,042	−0,0036	−0,009	8.7828	8.4458	0.4831	+7.4981
3583*	Leonis	7	21 15,09	3,178	−0,0105	−0,009	8.7902	8.4527	0.5022	−8.0678
3584	32 Leonis Minoris....	6	21 20,26	3,534	−0,0342	+0,003	8.8962	8.5582	0.5482	−8.7014
3585*	Carinæ I	4½	21 24,76	1,216	−0,0238	−0,004	9.3232	8.9849	0.0849	+9.3044
3586	Carinæ	5	21 41,59	1,885	+0,0082	.....	9.1547	8.8150	0.2752	+9.1116
3587	Carinæ	6	21 44,61	1,229	−0,0229	−0,019	9.3220	8.9820	0.0894	+9.3031
3588	Carinæ	6	21 45,97	1,339	−0,0157	.....	9.2977	8.9576	0.1267	+9.2764
3589	Velorum .....P	5	21 50,35	2,220	+0,0137	+0,007	9.0452	8.7047	0.3463	+8.9682
3590*	29 Sextantis	6	21 51,65	3,052	−0,0040	+0,001	8.7831	8.4425	0.4845	+7.3199
3591	Velorum	6	21 54,45	2,440	+0,0133	+0,014	8.9628	8.6220	0.3874	+8.8382
3592	Sextantis	6	22 0,76	3,093	−0,0060	.....	8.7833	8.4419	0.4903	−7.3801
3593*	Draconis	5½	22 11,95	5,373	−0,2875	+0,004	9.4144	9.0721	0.7302	−9.4022
3594	Carinæ .....ε	5	22 22,58	2,187	+0,0136	−0,026	9.0587	8.7155	0.3399	+8.9870
3595	Carinæ	6	22 23,41	2,238	+0,0139	−0,012	9.0406	8.6974	0.3499	+8.9614
3596	Antliæ	5½	22 33,81	2,766	+0,0071	+0,003	8.8412	8.4970	0.4419	+8.5254
3597	30 Sextantis	6	22 37,51	3,072	−0,0050	0,000	8.7835	8.4390	0.4874	−6.1393
3598	Antliæ .....δ	5½	22 41,38	2,755	+0,0075	+0,001	8.8453	8.5005	0.4401	+8.5422
3599	Carinæ	6	22 41,77	1,893	+0,0087	−0,010	9.1566	8.8118	0.2771	+9.1137
3600	31 Sextantis	7	10 22 45,95	+3,099	−0,0063	+0,005	−8.7842	+8.4390	+0.4912	−7.4910

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3556	154 26 8,5	+18,05	+0,118	.....	−9.7638	−9.9095	+1.2565	+9.6393	....	....	.....	4285	....	R 204
3557	127 14 59,5	18,06	0,167	+0,08	−9.7843	−9.7365	1.2567	9.6382	....	66	iii.1254	4278	2980	
3558	118 53 28,5	18,07	0,174	−0,13	−9.7706	−9.6387	1.2568	9.6378	....	65	iii.1255	4277	2981	
3559	53 48 45,8	18,07	0,221	+0,09	−8.9727	+9.7258	1.2569	9.6376	1444	62	iii.1253			
3560	55 26 31,1	18,08	0,219	+0,10	−9.0477	+9.7086	1.2571	9.6367	1445	63	ii.1236			
3561	80 27 21,7	18,08	0,200	+0,12	−9.6517	+9.1745	1.2571	9.6366	....	64	ii.1237	....	2984	M 447
3562	80 27 55,0	18,09	0,199	+0,20	−9.5521	+9.1744	1.2574	9.6352	....	67	iii.1256			
3563	96 18 18,7	18,11	0,188	−0,11	−9.6799	−8.9964	1.2579	9.6330	1447	71	iii.1257			
3564	156 8 34,7	18,12	0,111	−0,14	−9.7538	−9.9172	1.2582	9.6318	....	....	.....	4296	2999	R 205
3565	47 37 58,1	18,12	0,224	−0,06	−8.5052	+9.7846	1.2582	9.6317	....	70	iii.1258	....	....	G 1644
3566	95 39 53,1	18,13	0,188	−0,09	−9.6758	−8.9505	1.2584	9.6310	1449					
3567	40 24 24,0	18,13	0,233	.....	+8.6454	+9.8378	1.2584	9.6309	....	....	.....	....	....	G 1646
3568	106 4 19,4	18,13	0,181	+0,12	−9.7286	−9.3985	1.2585	9.6306	1451	74	ii.1238	....	....	J 239
3569	131 42 15,8	18,13	0,160	−0,33	−9.7841	−9.7793	1.2585	9.6305	....	....	v.1633	4289	3000	
3570	90 13 42,0	18,14	0,191	+0,06	−9.6392	−7.5568	1.2586	9.6302	1450	73	ii.1239	....	....	W 601
3571	23 36 28,9	18,15	0,272	+0,02	+9.3353	+9.9186	1.2588	9.6293	....	69	iii.1259	....	....	G 1645
3572	52 31 33,1	18,15	0,218	+0,11	−8.9310	+9.7408	1.2588	9.6292	1448	72	ii.1240			
3573	93 37 31,6	18,15	0,188	−0,03	−9.6628	−8.7575	1.2588	9.6292	1452	75	ii.1241			
3574	147 48 54,8	18,16	0,134	−0,02	−9.7710	−9.8844	1.2591	9.6277	....	....	v.1638	4300	3007	R 206?
3575	79 28 28,4	18,17	0,196	+0,01	−9.5432	+9.2187	1.2593	9.6271	1453	76	ii.1242	....	....	M 448
3576	90 12 8,9	18,17	0,189	+0,28	−9.6390	−7.5055	1.2594	9.6262	....	77	iii.1260			
3577	8 44 9,6	18,19	0,414	0,00	+9.5452	+9.9524	1.2597	9.6250	1439	....	.....	....	....	G 1643
3578	120 18 21,0	18,19	0,169	+0,05	−9.7689	−9.6605	1.2598	9.6248	....	82	ii.1243	4298	3011	P 430, J 240
3579	74 53 33,1	18,21	0,197	+0,04	−9.4909	+9.3740	1.2602	9.6227	....	83	iii.1262	....	....	B.F 1488
3580	33 15 6,2	18,21	0,240	−0,02	+9.0500	+9.8805	1.2604	9.6219	1454	80	ii.1244			
3581	144 6 52,4	18,21	0,140	.....	−9.7734	−9.8668	1.2604	9.6217	....	....	v.1644	....	3017	
3582	92 58 32,8	18,22	0,186	.....	−9.6581	−8.6736	1.2605	9.6213	1456	....	ii.1245	....	....	B.F 1490
3583	79 4 39,0	18,22	0,194	+0,03	−9.5403	+9.2359	1.2606	9.6208	....	85	iii.1264	....	....	B.F 1489
3584	50 18 34,0	18,23	0,215	+0,02	−8.8287	+9.7637	1.2607	9.6205	1455	84	iii.1263			
3585	163 16 7,0	18,23	0,074	+0,01	−9.7196	−9.9397	1.2607	9.6202	....	....	ii.1247	4319	3025	J 241, R 207
3586	154 52 38,1	18,24	0,114	.....	−9.7488	−9.9156	1.2610	9.6190	....	....	.....	....	3024	
3587	163 12 32,7	18,24	0,075	−0,17	−9.7188	−9.9399	1.2610	9.6188	....	....	.....	4322	3028	
3588	162 12 39,4	18,24	0,081	.....	−9.7229	−9.9375	1.2610	9.6187	....	....	.....	....	3027	
3589	146 52 24,0	18,24	0,135	−0,32	−9.7672	−9.8819	1.2611	9.6184	....	....	v.1649	4310	3023	R 209
3590	91 58 22,1	18,24	0,185	+0,04	−9.6513	−8.4958	1.2611	9.6183	1457	86	ii.1246			
3591	138 38 22,5	18,25	0,148	+0,34	−9.7769	−9.8343	1.2612	9.6181	....	....	v.1650	4305	3022	R 208
3592	87 44 5,6	18,25	0,187	.....	−9.6203	+8.5559	1.2613	9.6177	....	....	.....	....	....	B.F 1492
3593	13 30 59,4	18,26	0,324	−0,01	+9.4786	+9.9470	1.2614	9.6169	1446	78	iii.1265	....	....	B.H 688
3594	147 58 25,3	18,26	0,132	−0,03	−9.7637	−9.8877	1.2616	9.6162	....	....	v.1652	4314	3031	R 211
3595	146 25 58,7	18,26	0,135	−0,18	−9.7665	−9.8801	1.2616	9.6161	....	....	.....	4313	....	R 210
3596	118 53 53,5	18,27	0,166	+0,05	−9.7628	−9.6437	1.2617	9.6154	....	90	ii.1249	4306	3030	
3597	89 52 11,7	18,27	0,185	+0,06	−9.6366	+7.3154	1.2618	9.6151	1459	87	ii.1248			
3598	119 50 29,6	18,27	0,166	+0,09	−9.7645	−9.6565	1.2618	9.6149	....	91	ii.1251	4309	3032	
3599	154 56 30,1	18,27	0,114	+0,08	−9.7459	−9.9167	1.2618	9.6148	....	....	.....	4321	3034	
3600	87 4 53,0	+18,28	+0,186	+0,05	−9.6153	+8.6666	+1.2619	+9.6145	1460	89	ii.1250			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3601*	Carinæ	6	10 23 9,97	+2,243	+0,0141	−0,005	−9.0417	+8.6945	+0.3509	+8.9626
3602	33 Leonis Minoris ..	5½	23 19,81	3,428	−0,0268	+0,005	8.8612	8.5132	0.5351	−8.5990
3603	Sextantis	6½	23 28,32	3,005	−0,0017	−0,001	8.7873	8.4386	0.4778	+7.8651
3604*	Velorum	6½	24 5,41	2,317	+0,0145	−0,001	9.0177	8.6658	0.3649	+8.9268
3605	Carinæ	6	24 9,64	1,937	+0,0100	−0,002	9.1494	8.7972	0.2871	+9.1046
3606	46 Leonis ..... *i*	6	24 11,11	3,215	−0,0128	+0,002	8.7997	8.4473	0.5072	−8.2099
3607*	Ursæ Majoris	5	24 27,94	3,544	−0,0361	.....	8.9085	8.5547	0.5495	−8.7272
3608*	32 Sextantis	7	24 30,86	3,122	−0,0075	0,000	8.7870	8.4330	0.4944	−7.7617
3609	47 Leonis ..... ϱ	4	24 54,65	3,166	−0,0099	+0,005	8.7922	8.4361	0.5006	−8.0351
3610	34 Leonis Minoris ..	5	24 55,62	3,459	−0,0295	0,000	8.8761	8.5200	0.5389	−8.6428
3611	43 Hydræ ..... φ^1	7	25 23,97	2,915	+0,0023	+0,009	8.8034	8.4448	0.4646	+8.2486
3612	37 Ursæ Majoris	5	25 27,73	3,924	−0,0725	+0,015	9.0599	8.7010	0.5937	−8.9876
3613	Velorum ..... *s*	6	25 31,83	2,548	+0,0129	−0,029	8.9312	8.5719	0.4062	+8.7753
3614*	Velorum ..... Y	6	25 32,76	2,361	+0,0148	−0,047	9.0060	8.6467	0.3731	+8.9081
3615	Velorum	6	25 33,81	2,548	+0,0129	−0,006	8.9312	8.5718	0.4062	+8.7753
3616	Carinæ	6	26 7,98	1,598	−0,0017	.....	9.2549	8.8925	0.2036	+9.2282
3617	Carinæ ..... K	5½	26 31,58	1,511	−0,0060	−0,044	9.2790	8.9146	0.1792	+9.2553
3618*	Velorum ..... *t*	6	26 37,50	2,518	+0,0136	−0,005	8.9469	8.5819	0.4010	+8.8055
3619	Carinæ ..... *p*	4	26 42,13	2,119	+0,0140	−0,008	9.1001	8.7348	0.3261	+9.0416
3620	44 Hydræ	6	26 53,17	2,847	+0,0052	+0,002	8.8229	8.4566	0.4543	+8.4143
3621	48 Leonis	5½	26 58,53	3,142	−0,0086	−0,001	8.7911	8.4243	0.4972	−7.9195
3622	49 Leonis	6	27 9,97	3,158	−0,0095	0,000	8.7932	8.4254	0.4994	−8.0073
3623*	Velorum	6	27 10,79	2,504	+0,0139	.....	8.9542	8.5864	0.3986	+8.8189
3624	Carinæ	6	27 28,90	1,409	−0,0118	−0,105	9.3084	8.9390	0.1489	+9.2877
3625	35 Leonis Minoris ..	5½	27 44,13	3,467	−0,0309	+0,006	8.8860	8.5152	0.5399	−8.6665
3626	Carinæ	6	27 45,95	2,251	+0,0153	−0,001	9.0565	8.6856	0.3524	+8.9822
3627*	Hydræ	6½	27 48,09	2,855	+0,0050	−0,027	8.8218	8.4507	0.4556	+8.4027
3628	Leonis	7	28 15,07	3,142	−0,0087	+0,018	8.7922	8.4187	0.4972	−7.9256
3629*	Draconis	6	28 23,81	6,434	−0,5719	+0,042	9.6039	9.2297	0.8085	−9.5988
3630	Antliæ	6	28 33,40	2,653	+0,0114	−0,021	8.8966	8.5215	0.4238	+8.6935
3631	Carinæ	6	28 46,44	2,165	+0,0150	−0,016	9.0924	8.7162	0.3355	+9.0309
3632*	Hydræ ..... φ^2	6	28 57,39	2,927	+0,0023	−0,001	8.8049	8.4277	0.4664	+8.2337
3633	36 Leonis Minoris ..	6	29 21,19	3,429	−0,0283	+0,002	8.8749	8.4956	0.5352	−8.6319
3634*	Leonis	7	29 43,39	3,238	−0,0146	−0,001	8.8112	8.4300	0.5103	−8.3025
3635	Carinæ ..... *r*	5½	29 51,20	2,288	+0,0161	+0,011	9.0508	8.6688	0.3595	+8.9733
3636	Carinæ	neb.	30 6,69	2,270	+0,0161	−0,026	9.0588	8.6755	0.3560	+8.9846
3637*	Hydræ	6	30 8,33	2,956	+0,0011	.....	8.8002	8.4167	0.4708	+8.1392
3638	Hydræ	6	30 11,75	2,815	+0,0070	−0,001	8.8384	8.4546	0.4494	+8.4900
3639	Ursæ Majoris	6	30 15,49	3,785	−0,0612	.....	9.0253	8.6411	0.5780	−8.9357
3640	37 Leonis Minoris ..	4½	30 16,07	3,399	−0,0262	+0,004	8.8649	8.4807	0.5313	−8.5982
3641	38 Leonis Minoris ..	5½	30 31,81	3,478	−0,0326	−0,020	8.8976	8.5119	0.5413	−8.6935
3642	Carinæ ..... t^1	5½	30 44,14	2,233	+0,0161	−0,019	9.0756	8.6888	0.3489	+9.0076
3643	50 Leonis	6½	30 51,49	3,225	−0,0138	+0,005	8.8094	8.4220	0.5085	−8.2730
3644	Velorum ..... *p*	5	30 59,76	2,519	+0,0147	−0,083	8.9602	8.5721	0.4013	+8.8274
3645*	Ursæ Majoris	6	10 31 3,85	+4,404	−0,1407	.....	−9.2405	+8.8520	+0.6439	−9.2113

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3601	146 28 0,9	+18,29	+0,134	−0,01	−9.7646	−9.8810	+1.2622	+9.6128	....	....	v.1654	4320	3035	R 212
3602	56 51 8,0	18,30	0,205	−0,01	−9.1443	+9.6980	1.2624	9.6122	1461	93	iii.1266			
3603	96 52 11,4	18,30	0,179	+0,02	−9.6810	−9.0381	1.2625	9.6116	1462	94	iii.1267			
3604	144 12 41,5	18,32	0,137	+0,24	−9.7660	−9.8699	1.2630	9.6089	....	....	v.1659	4325	3043	
3605	154 24 41,6	18,33	0,115	−0,02	−9.7433	−9.9160	1.2631	9.6086	....	....	.....	4331	3044	
3606	75 5 44,4	18,33	0,190	+0,04	−9.4983	+9.3712	1.2631	9.6085	1463	97	ii.1252	....	....	M 451
3607	48 48 15,3	18,34	0,209	.....	−8.7767	+9.7798	1.2633	9.6073	....	....	.....	....	....	B.H 1517
3608	84 35 12,4	18,34	0,184	0,00	−9.5953	+8.9359	1.2634	9.6071	1466	98	ii.1253	....	3053	
3609	79 55 24,8	18,35	0,186	+0,04	−9.5524	+9.2044	1.2637	9.6054	1467	102	ii.1254	....	3046	M 452
3610	54 14 25,5	18,35	0,203	+0,02	−9.0671	+9.7282	1.2637	9.6054	1465	99	iii.1269			
3611	106 11 6,9	18,37	0,171	+0,22	−9.7231	−9.4071	1.2641	9.6033	....	104	iii.1271			
3612	32 8 49,7	18,37	0,229	+0,02	+9.0354	+9.8897	1.2642	9.6030	1464	101	ii.1255	....	....	G 1660
3613	134 18 0,5	18,38	0,149	+0,14	−9.7712	−9.8061	1.2642	9.6027	....	106	iii.1272	4334	3058	
3614	142 57 15,5	18,38	0,138	−0,14	−9.7643	−9.8641	1.2642	9.6027	....	....	v.1668	4336	3062	
3615	134 17 47,8	18,38	0,149	+0,10	−9.7711	−9.8061	1.2643	9.6026	....	107	iv. 724			
3616	160 7 14,8	18,40	0,093	.....	−9.7178	−9.9358	1.2647	9.6001	....	....	.....	....	3068	
3617	161 13 20,3	18,41	0,087	+0,03	−9.7120	−9.9391	1.2651	9.5984	....	....	.....	4357	3074	
3618	136 13 53,9	18,41	0,146	−0,01	−9.7681	−9.8215	1.2651	9.5980	....	113	iii.1274	4344	3069	
3619	150 54 52,4	18,42	0,122	−0,04	−9.7459	−9.9044	1.2652	9.5976	....	....	ii.1258	4348	3072	J242, R213
3620	112 58 21,9	18,42	0,164	−0,03	−9.7433	−9.5545	1.2653	9.5968	1471	111	ii.1257			
3621	82 16 33,4	18,43	0,181	−0,03	−9.5762	+9.0916	1.2654	9.5964	1468	110	ii.1256	....	....	M 453
3622	80 34 36,6	18,43	0,182	+0,05	−9.5606	+9.1775	1.2656	9.5956	1469	112	ii.1259	....	....	M 454
3623	137 5 9,6	18,43	0,144	.....	−9.7665	−9.8281	1.2656	9.5955	....	....	v.1676	....	3077	
3624	162 27 31,8	18,44	0,081	+0,84	−9.7036	−9.9429	1.2658	9.5942	....	....	.....	4367	3083	
3625	52 53 46,3	18,45	0,198	+0,02	−9.0402	+9.7443	1.2660	9.5931	1470	114	iii.1276			
3626	147 24 58,4	18,45	0,129	−0,33	−9.7511	−9.8895	1.2661	9.5929	....	....	v.1680	4356	3078	
3627	112 23 41,0	18,45	0,163	−0,35	−9.7407	−9.5448	1.2661	9.5928	1472	....	.....	....	....	B.F 1509
3628	82 11 9,4	18,47	0,179	+0,21	−9.5762	+9.0976	1.2665	9.5908	....	116	iii.1277			
3629	8 47 36,7	18,47	0,365	+0,02	+9.5028	+9.9592	1.2666	9.5901	1458	....	.....	....	....	G 1662
3630	128 47 16,2	18,48	0,150	−0,14	−9.7647	−9.7614	1.2667	9.5894	....	....	v.1683	4358	3085	
3631	150 12 48,4	18,49	0,122	−0,08	−9.7419	−9.9031	1.2669	9.5884	....	....	v.1685	4366	3089	
3632	105 34 9,8	18,49	0,165	+0,01	−9.7175	−9.3936	1.2670	9.5876	1474	118	ii.1260	....	....	B.F 1513
3633	55 8 47,5	18,51	0,193	+0,06	−9.1332	+9.7221	1.2673	9.5858	1473	117	iii.1278			
3634	71 56 35,7	18,52	0,181	+0,05	−9.4678	+9.4567	1.2676	9.5841	....	119	iii.1279	....	....	M 455
3635	146 46 53,0	18,52	0,128	−0,08	−9.7469	−9.8880	1.2677	9.5835	....	....	.....	4373	3099	
3636	147 27 5,2	18,53	0,127	+0,84	−9.7448	−9.8915	1.2679	9.5823	....	....	v.1693	4375	3107	
3637	102 36 22,9	18,53	0,165	.....	−9.7049	−9.3047	1.2679	9.5822	....	....	.....	....	....	B.H 841
3638	116 38 11,8	18,54	0,157	+0,04	−9.7475	−9.6174	1.2680	9.5819	....	123	ii.1262	4370	3102	
3639	35 32 58,8	18,54	0,211	.....	+8.7649	+9.8762	1.2680	9.5817	....	....	.....	....	....	G 1668
3640	57 14 46,3	18,54	0,189	0,00	−9.2000	+9.6991	1.2681	9.5816	1475	121	ii.1261			
3641	51 18 35,0	18,55	0,193	+0,05	−9.0035	+9.7620	1.2683	9.5804	1477	122	iii.1280			
3642	148 47 4,7	18,55	0,124	−0,09	−9.7401	−9.8983	1.2684	9.5795	....	....	v.1698	4380	3112	
3643	73 5 32,6	18,56	0,178	+0,02	−9.4842	+9.4299	1.2685	9.5789	1478	125	ii.1263	....	....	M 456
3644	137 26 48,3	18,56	0,139	−0,18	−9.7577	−9.8337	1.2686	9.5783	....	....	ii.1264	4378	3114	J243, R214
3645	20 46 29,3	+18,56	−0,243	.....	+9.3008	+9.9373	+1.2687	+9.5779	....	....	.....	....	....	B.F 1506

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3646*	Hydræ .....φ^5	5	10 31 16,67	+2,925	+0,0027	−0,005	−8.8079	+8.4182	+0.4661	+8.2508
3647	38 Ursæ Majoris	5	31 39,19	4,227	−0,1161	−0,013	9.1901	8.7984	0.6260	−9.1525
3648	Carinæ	6	31 45,12	2,268	+0,0166	−0,010	9.0661	8.6739	0.3557	+8.9943
3649	Leonis	7½	31 50,16	3,156	−0,0095	−0,009	8.7971	8.4044	0.4991	−8.0202
3650	39 Leonis Minoris....	6½	32 2,63	3,340	−0,0220	+0,006	8.8464	8.4526	0.5238	−8.5224
3651	Carinæ	6	32 13,24	2,316	+0,0167	−0,022	9.0491	8.6543	0.3648	+8.9701
3652*	Ursæ Majoris	5	32 15,07	+4,432	−0,1470	+0,003	9.2543	8.8593	+0.6466	−9.2269
3653	Chamæleontis	6	32 32,79	−0,125	−0,1969	−0,026	9.6042	9.2076	−9.0980	+9.5990
3654	Chamæleontis	5½	32 38,56	+1,143	−0,0319	−0,009	9.3939	8.9968	+0.0580	+9.3800
3655*	Carinæ ..... t^2	5	33 2,82	2,266	+0,0170	−0,022	9.0726	8.6733	0.3552	+9.0029
3656	Carinæ	6½	33 10,76	2,045	+0,0146	+0,015	9.1542	8.7541	0.3107	+9.1088
3657	Carinæ	6	33 16,85	2,279	+0,0171	−0,019	9.0683	8.6677	0.3578	+8.9969
3658*	Velorum X	5½	33 20,69	2,370	+0,0170	−0,037	9.0316	8.6307	0.3748	+8.9441
3659	Carinæ	6	33 33,20	2,074	+0,0153	−0,080	9.1460	8.7439	0.3167	+9.0986
3660	Chamæleontis .. γ	5	33 39,04	0,790	0,0670	−0,058	9.4684	9.0658	9.8975	+9.4586
3661	Leonis Minoris....	6½	33 45,99	3,383	−0,0257	+0,001	8.8663	8.4630	0.5293	−8.5963
3662*	Leonis	7½	33 46,41	3,171	−0,0104	.....	8.8013	8.3979	0.5012	−8.1017
3663	33 Sextantis	6	33 46,44	3,062	−0,0039	−0,005	8.7925	8.3891	0.4861	+7.0142
3664	39 Ursæ Majoris	5½	34 12,99	3,852	−0,0715	+0,006	9.0684	8.6626	0.5857	−8.9967
3665*	Ursæ Majoris	6	34 42,59	3,592	−0,0444	−0,025	8.9593	8.5507	0.5553	−8.8233
3666	40 Leonis Minoris ..	5½	34 47,14	3,319	−0,0210	−0,006	8.8437	8.4347	0.5211	−8.5024
3667	34 Sextantis	6	34 52,71	3,108	−0,0065	−0,003	8.7945	8.3850	0.4924	−7.6759
3668	Carinæ	6	34 59,59	2,063	+0,0155	−0,029	9.1565	8.7463	0.3145	+9.1113
3669	Carinæ	6	35 3,13	2,321	+0,0177	.....	9.0590	8.6486	0.3656	+8.9834
3670	Ursæ Majoris	7½	35 10,85	3,589	−0,0443	−0,025	8.9596	8.5484	0.5550	−8.8237
3671	Leonis	5½	35 15,17	3,286	−0,0184	−0,005	8.8327	8.4211	0.5166	−8.4415
3672	35 Sextantis	6½	35 33,52	3,117	−0,0071	+0,002	8.7958	8.3824	0.4938	−7.7800
3673	Carinæ	6	35 34,12	2,273	+0,0178	−0,012	9.0806	8.6672	0.3565	+9.0132
3674	Hydræ	7½	35 41,55	2,869	+0,0058	+0,008	8.8291	8.4150	0.4577	+8.4168
3675	Chamæleontis	6	35 41,97	1,351	−0,0163	−0,010	9.3636	8.9495	0.1308	+9.3473
3676	Chamæleontis	6	35 45,33	1,426	−0,0111	+0,010	9.3460	8.9315	0.1542	+9.3282
3677	Antliæ	6	35 46,01	2,771	+0,0097	−0,008	8.8652	8.4507	0.4427	+8.5885
3678*	40 Ursæ Majoris	6½	36 33,75	3,824	−0,0702	+0,005	9.0667	8.6477	0.5825	−8.9937
3679	Carinæ	6	36 53,14	2,296	+0,0183	.....	9.0768	8.6559	0.3610	+9.0076
3680	Carinæ	6	36 53,35	2,299	+0,0183	−0,009	9.0758	8.6549	0.3615	+9.0062
3681	Carinæ	5½	36 55,65	2,112	+0,0169	.....	9.1480	8.7269	0.3247	+9.1005
3682	41 Ursæ Majoris	6	36 56,49	3,834	−0,0716	+0,002	9.0724	8.6513	0.5836	−9.0016
3683	Carinæ	6	37 1,15	2,300	+0,0183	.....	9.0759	8.6542	0.3617	+9.0063
3684*	36 Sextantis	6	37 25,57	3,098	−0,0059	−0,002	8.7958	8.3718	0.4910	−7.5528
3685	42 Leouis Minoris....	4½	37 30,86	3,359	−0,0246	+0,002	8.8643	8.4398	0.5262	−8.5820
3686	Argûs ..... θ	3	37 37,19	2,123	+0,0172	−0,005	9.1474	8.7223	0.3269	+9.0996
3687	Leonis	7	37 43,77	3,139	−0,0086	−0,002	8.7999	8.3742	0.4968	−7.9594
3688	Carinæ	5½	37 50,53	2,265	+0,0185	+0,015	9.0936	8.6672	0.3551	+9.0301
3689	Carinæ	neb.	38 7,65	2,282	+0,0187	−0,014	9.0880	8.6600	0.3584	+9.0225
3690	37 Sextantis	6	38 17,05	+3,129	−0,0079	+0,003	−8.7991	+8.3702	+0.4954	−7.8949

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3646	106 5 56,5	+18,57	+0,161	−0,04	−9.7173	−9.4096	+1.2688	+9.5770	1479	127	ii.1265	....	....	B.F 1517
3647	23 29 56,7	18,58	0,232	+0,08	+9.2350	+9.9293	1.2691	9.5752	1476	124	iii.1281			
3648	147 57 13,8	18,59	0,124	−0,23	−9.7393	−9.8952	1.2692	9.5747	....	....	v.1703	4388	3121	
3649	80 22 42,2	18,59	0,173	+0,05	−9.5625	+9.1901	1.2693	9.5744	....	128	iii.1282	....	....	M 457
3650	61 41 40,0	18,60	0,182	0,00	−9.3109	+9.6431	1.2694	9.5734	1480	129	iii.1283			
3651	146 28 35,0	18,60	0,126	−0,15	−9.7414	−9.8883	1.2696	9.5725	....	....	v.1705	4390	3123	
3652	20 8 29,9	18,60	+0,242	+0,05	+9.3038	+9.9400	1.2696	9.5724	....	126	ii.1266	....	....	B.H 1520
3653	171 8 43,4	18,61	−0,007	−0,26	−9.6383	−9.9624	1.2698	9.5710	....	....	.....	4430	3137	
3654	165 31 59,3	18,62	+0,062	+0,17	−9.6708	−9.9537	1.2699	9.5706	....	....	.....	4411	3130	
3655	148 24 12,3	18,63	0,122	+0,04	−9.7347	−9.8983	1.2702	9.5686	....	....	v.1709	4396	3127	
3656	154 15 35,4	18,63	0,110	−0,46	−9.7173	−9.9227	1.2703	9.5680	....	....	.....	4405	3132	
3657	148 2 11,0	18,64	0,123	−0,14	−9.7349	−9.8967	1.2704	9.5675	....	....	v.1712	4401	3133	
3658	144 49 34,5	18,64	0,128	+0,51	−9.7418	−9.8806	1.2704	9.5672	....	....	v.1713	4398	3135	
3659	153 42 53,9	18,65	0,111	−0,32	−9.7180	−9.9209	1.2706	9.5662	....	....	.....	4409	3138	
3660	167 49 48,3	18,65	0,042	−0,09	−9.6544	−9.9586	1.2706	9.5658	....	....	ii.1268	4428	3146	J245, R215
3661	57 31 8,1	18,65	0,181	−0,02	−9.2274	+9.6985	1.2707	9.5652	....	131	iii.1284	....	....	B.F 1519
3662	78 28 43,6	18,65	0,170	.....	−9.5463	+9.2690	1.2707	9.5652	....	....	.....	....	....	Z 704
3663	90 57 16,5	18,65	0,164	+0,14	−9.6435	−8.1902	1.2707	9.5652	1482	134	ii.1267			
3664	32 0 52,8	18,67	0,205	+0,07	+8.9026	+9.8972	1.2711	9.5630	1481	133	iii.1285			
3665	43 0 28,8	18,68	0,191	−0,03	−8.4786	+9.8333	1.2714	9.5606	....	135	iii.1286	....	....	B.H 1518
3666	62 53 15,8	18,68	0,176	+0,06	−9.3438	+9.6280	1.2715	9.5603	1483	136	ii.1269			
3667	85 38 6,1	18,69	0,165	+0,01	−9.6076	+8.8508	1.2716	9.5598	1484	138	ii.1270			
3668	154 19 6,4	18,69	0,109	−0,01	−9.7116	−9.9242	1.2716	9.5593	....	....	.....	4418	3156	
3669	147 9 8,4	18,69	0,123	.....	9.7322	−9.8938	1.2717	9.5590	....	....	v.1722	....	3154	
3670	43 0 18,8	18,70	0,189	−0,01	−8.4983	+9.8336	1.2718	9.5584	....	137	iii.1287	....	....	G 1679
3671	66 1 39,9	18,70	0,173	+0,01	−9.3974	+9.5785	1.2718	9.5580	1485	139	ii.1271	....	....	B.F 1524
3672	84 28 0,3	18,71	0,164	+0,06	−9.5990	+8.9540	1.2721	9.5565	1487	141	ii.1272	....	....	M 458
3673	148 53 36,3	18,71	0,119	+0,01	−9.7263	−9.9024	1.2721	9.5565	....	....	v.1725	4422	3162	R 216
3674	112 46 0,1	18,71	0,151	+0,13	−9.7318	−9.5576	1.2722	9.5559	1489	....	.....	....	....	L 286
3675	164 22 40,2	18,71	0,071	+0,23	−9.6658	−9.9536	1.2722	9.5558	....	....	.....	4441	3166	
3676	163 42 40,6	18,72	0,075	−0,02	−9.6689	−9.9522	1.2722	9.5555	....	....	.....	4439	3170	
3677	121 55 53,5	18,72	0,145	+0,02	−9.7469	−9.6934	1.2722	9.5555	....	143	iii.1288	4415	3161	
3678	32 17 36,4	18,74	0,199	0,00	+8.8401	+9.8976	1.2728	9.5515	1486	142	iii.1289	....	....	G 1681
3679	148 30 50,1	18,75	0,119	.....	−9.7236	−9.9016	1.2730	9.5499	....	....	v.1731	....	3174	
3680	148 25 46,5	18,75	0,119	−0,26	−9.7238	−9.9012	1.2730	9.5499	....	....	v.1732	4435	3175	
3681	153 40 54,0	18,75	0,109	.....	−9.7077	−9.9233	1.2730	9.5497	....	....	ii.1273	....	3176	J 246
3682	31 50 38,7	18,75	0,198	+0,07	+8.8585	+9.9000	1.2731	9.5497	1488	144	iii.129c			
3683	148 25 49,1	18,76	0,119	.....	−9.7235	−9.9013	1.2731	9.5493	....	....	v.1733	....	3177	
3684	86 43 26,3	18,77	0,159	0,00	−9.6161	+8.7282	1.2734	9.5472	1491	147	ii.1275	....	....	W 619
3685	58 31 42,0	18,77	0,173	+0,02	−9.2700	+9.6890	1.2735	9.5468	149c	145	ii.1274			
3686	153 36 33,5	18,77	0,109	−0,01	−9.7059	−9.9235	1.2735	9.5463	....	....	ii.1276	4447	3184	J247, R21
3687	81 41 54,8	18,78	0,161	+0,09	−9.5783	+9.1309	1.2736	9.5457	....	148	iii.1291	....	....	M 459
3688	149 46 52,3	18,78	0,116	−0,03	−9.7173	−9.9081	1.2737	9.5451	....	....	v.1739	4446	3185	
3689	149 19 55,2	18,79	0,116	+0,20	−9.7178	−9.9063	1.2739	9.5437	....	....	v.1741	4448	3187	
3690	82 50 14,9	+18,79	+0,159	+0,05	−9.5878	+9.0676	+1.2740	+9.5429	1493	150	ii.1277	....	....	M 460

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3691	51 Leonis ..... *m*	6	10 38 19,42	+3,237	−0,0154	+0,011	−8.8219	+8.3927	+0.5102	−8.3492
3692*	Carinæ	neb.	38 25,43	2,304	+0,0189	.....	9.0804	8.6507	0.3624	+9.0122
3693	52 Leonis ..... *k*	6	38 28,34	3,195	−0,0123	−0,007	8.8109	8.3809	0.5045	−8.2234
3694	Carinæ	6	38 48,30	2,153	+0,0180	+0,042	9.1417	8.7097	0.3331	+9.0922
3695	Argûs ..... η	2	39 15,44	2,306	+0,0191	−0,001	9.0832	8.6487	0.3628	+9.0158
3696	38 Sextantis	7	39 30,95	3,128	−0,0079	−0,003	8.7999	8.3639	0.4953	−7.8942
3697	Hydræ ..... b^1	6	39 31,35	2,934	+0,0033	0,000	8.8149	8.3787	0.4675	+8.2684
3698	Hydræ	6	39 35,74	2,854	+0,0072	.....	8.8403	8.4037	0.4554	+8.4704
3699	Carinæ	6	39 45,10	1,806	+0,0095	−0,121	9.2641	8.8266	0.2567	+9.2373
3700	Velorum	6	39 57,18	2,653	+0,0144	+0,001	8.9286	8.4899	0.4237	+8.7574
3701*	Chamæleontis	6	40 15,29	0,727	−0,0802	.....	9.5162	9.0758	9.8613	+9.5082
3702	Argûs ..... μ	3	40 19,80	2,554	+0,0170	+0,006	8.9770	8.5361	0.4071	+8.8523
3703	Carinæ	6	40 32,32	2,290	+0,0196	+0,002	9.0959	8.6538	0.3598	+9.0326
3704	43 Leonis Minoris ..	6	40 40,33	3,335	−0,0234	−0,003	8.8607	8.4178	0.5231	−8.5624
3705	Velorum ..... Z	5½	40 55,40	2,401	+0,0193	−0,008	9.0496	8.6052	0.3804	+8.9680
3706	Carinæ	6	41 1,65	2,166	+0,0190	−0,034	9.1477	8.7026	0.3356	+9.0994
3707	Carinæ	6	41 2,69	2,169	+0,0190	.....	9.1464	8.7013	0.3363	+9.0978
3708	53 Leonis ..... *l*	6	41 22,12	3,161	−0,0101	+0,002	8.8064	8.3593	0.4998	−8.1000
3709	39 Sextantis	7½	41 26,86	3,005	−0,0002	+0,007	8.8025	8.3549	0.4778	+7.9623
3710	44 Leonis Minoris ..	6	41 38,40	3,317	−0,0220	−0,001	8.8552	8.4065	0.5207	−8.5376
3711	40 Sextantis	6	41 41,05	3,045	−0,0025	0,000	8.7987	8.3498	0.4836	+7.5497
3712	Carinæ	6	41 50,39	1,940	+0,0146	−0,039	9.2325	8.7826	0.2879	+9.2009
3713	43 Ursæ Majoris	6	41 54,40	3,769	−0,0681	−0,005	9.0665	8.6162	0.5762	−8.9919
3714	42 Ursæ Majoris	5½	41 55,60	3,848	−0,0779	+0,001	9.1008	8.6503	0.5852	−9.0388
3715	Hydræ ..... ν	4	42 13,55	2,948	+0,0030	+0,006	8.8143	8.3621	0.4695	+8.2388
3716	Carinæ	6	42 14,33	2,168	+0,0194	−0,003	9.1527	8.7004	0.3361	+9.1055
3717	Carinæ	6	42 23,94	2,181	+0,0197	−0,025	9.1486	8.6953	0.3386	+9.1003
3718	41 Sextantis	6	42 46,71	3,008	−0,0002	+0,002	8.8031	8.3476	0.4782	+7.9522
3719	Antliæ	6	42 58,87	2,781	+0,0110	−0,005	8.8766	8.4198	0.4443	+8.6158
3720	Sextantis	7	43 12,31	3,104	−0,0063	+0,015	8.8003	8.3422	0.4920	−7.6835
3721	Carinæ	6½	43 28,57	2,355	+0,0205	−0,018	9.0815	8.6217	0.3719	+9.0124
3722	Hydræ ..... b^2	7	43 45,91	2,933	+0,0041	0,000	8.8201	8.3585	0.4673	+8.2992
3723	Chamæleontis .. δ^1	5½	43 47,33	0,674	−0,0909	−0,023	9.5462	9.0844	9.8288	+9.5391
3724	Chamæleontis .. δ^2	5	44 19,32	0,673	−0,0917	−0,042	9.5495	9.0845	9.8283	+9.5425
3725	44 Ursæ Majoris	5½	44 27,41	3,698	−0,0616	−0,004	9.0454	8.5796	0.5679	−8.9608
3726*	Leonis	6	44 31,22	3,084	−0,0049	.....	8.8001	8.3339	0.4892	−7.3026
3727	45 Leonis Minoris ..	6½	44 35,83	3,307	−0,0218	+0,015	8.8567	8.3900	0.5194	−8.5376
3728	46 Leonis Minoris ..	4½	44 54,49	3,372	−0,0277	+0,007	8.8869	8.4183	0.5279	−8.6457
3729	45 Ursæ Majoris .. ω	5	45 19,61	3,484	−0,0386	+0,007	8.9434	8.4722	0.5420	−8.7851
3730	Carinæ	6½	45 41,00	2,428	+0,0209	−0,012	9.0585	8.5850	0.3852	+8.9795
3731	Velorum	6	45 45,42	2,477	+0,0203	−0,006	9.0351	8.5611	0.3940	+8.9449
3732*	Leonis	6	46 5,73	3,061	−0,0032	.....	8.8011	8.3250	0.4858	+7.1676
3733	Hydræ ..... b^3	5½	46 9,40	2,922	+0,0051	+0,007	8.8262	8.3497	0.4657	+8.3460
3734	Carinæ	6	46 23,18	2,434	+0,0212	−0,007	9.0586	8.5807	0.3864	+8.9794
3735	48 Leonis Minoris ..	7	10 46 32,68	+3,279	−0,0198	−0,006	−8.8486	+8.3697	+0.5157	−8.4949

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3691	70 19 11,3	+18,80	+0,165	+0,08	−9.4640	+9.4992	+1.2740	+9.5427	1492	149	ii.1278			
3692	148 43 2,3	18,80	0,117	.....	−9.7186	−9.9037	1.2741	9.5422	....	....	.....	4449		
3693	75 0 55,0	18,80	0,162	+0,10	−9.5173	+9.3845	1.2741	9.5419	1494	152	ii.1279	....	....	M 461
3694	153 10 34,6	18,81	0,109	+0,21	−9.7036	−9.9227	1.2744	9.5402	....	....	.....	4455	3195	
3695	148 53 49,5	18,82	0,116	−0,09	−9.7158	−9.9051	1.2747	9.5379	....	....	ii.1281	4457	3198	J 248,R218
3696	82 51 47,4	18,83	0,157	+0,03	−9.5887	+9.0669	1.2749	9.5366	1495	154	ii.1280	....	....	M 462
3697	106 30 24,3	18,83	0,147	−0,01	−9.7108	−9.4262	1.2749	9.5365	1496	155	ii.1282	....	....	B.F 1537
3698	115 15 41,4	18,83	0,143	.....	−9.7318	−9.6029	1.2749	9.5362	....	....	v.1747	....	3200	
3699	160 4 8,3	18,84	0,090	−0,56	−9.6725	−9.9460	1.2750	9.5353	....	....	.....	4467	3203	
3700	132 24 5,2	18,84	0,132	+0,12	−9.7414	−9.8018	1.2752	9.5343	....	158	iii.1293	4459	3201	
3701	168 59 39,0	18,85	0,036	−0,42	−9.6207	−9.9651	1.2754	9.5327	....	....	.....	4489	3212	
3702	138 37 41,2	18,86	0,127	+0,06	−9.7343	−9.8485	1.2754	9.5323	....	....	ii.1283	4461	3206	J 249,R219
3703	149 48 52,0	18,86	0,114	+0,15	−9.7092	−9.9101	1.2756	9.5312	....	....	v.1752	4464	3208	
3704	59 47 33,4	18,87	0,165	+0,08	−9.3103	+9.6751	1.2757	9.5305	1497	160	iii.1296			
3705	145 58 7,3	18,87	0,118	+0,41	−9.7187	−9.8920	1.2758	9.5292	....	....	v.1754	4468	3211	R 220
3706	153 28 24,1	18,88	0,107	−0,09	−9.6955	−9.9254	1.2759	9.5287	....	....	.....	4473	3215	
3707	153 23 25,0	18,88	0,107	.....	−9.6958	−9.9251	1.2759	9.5286	....	....	.....	....	3216	
3708	78 39 41,7	18,89	0,155	−0,01	−9.5556	+9.2675	1.2761	9.5269	1500	162	ii.1284	....	....	M 463
3709	98 18 26,1	18,89	0,147	+0,02	−9.6794	−9.1338	1.2762	9.5264	1502	165	iii.1297			
3710	61 14 6,8	18,89	0,162	−0,03	−9.3406	+9.6564	1.2763	9.5254	1501	164	ii.1285			
3711	93 13 51,4	18,90	0,149	−0,04	−9.6553	−8.7251	1.2764	9.5252	1503	166	ii.1286			
3712	158 24 56,9	18,90	0,095	−0,12	−9.6727	−9.9427	1.2765	9.5244	....	....	.....	4486	3226	
3713	32 37 29,8	18,90	0,184	+0,02	+8.6767	+9.8997	1.2765	9.5240	1499	163	iii.1299			
3714	29 53 7,0	18,90	0,188	+0,09	+8.8663	+9.9123	1.2765	9.5239	1498	161	iii.1298			
3715	105 24 37,1	18,91	0,143	−0,17	−9.7049	−9.3989	1.2767	9.5223	1504	167	ii.1287	....	....	B.F 1542
3716	153 45 3,8	18,91	0,105	−0,72	−9.6906	−9.9273	1.2767	9.5222	....	....	.....	4485	3230	
3717	153 28 20,8	18,92	0,106	−0,16	−9.6911	−9.9263	1.2768	9.5214	....	....	.....	4487	3232	
3718	98 6 12,4	18,93	0,145	+0,02	−9.6778	−9.1240	1.2771	9.5193	1505	169	ii.1288			
3719	123 15 55,4	18,93	0,134	−0,03	−9.7354	−9.7142	1.2772	9.5182	....	173	iii.1300	4483	3237	
3720	85 37 1,8	18,94	0,149	+0,12	−9.6102	+8.8584	1.2774	9.5170	....	172	iii.1301			
3721	148 31 46,2	18,95	0,113	−0,10	−9.7042	−9.9062	1.2776	9.5155	....	....	v.1767	4493	3239	
3722	107 32 16,8	18,96	0,140	−0,04	−9.7094	−9.4546	1.2777	9.5139	1507	176	iii.1305	....	....	B.F 1547
3723	169 40 42,2	18,96	0,032	+0,21	−9.6010	−9.9684	1.2778	9.5138	....	....	.....	4509	3243	R 221
3724	169 44 57,9	18,97	0,032	0,00	−9.5980	−9.9689	1.2781	9.5109	....	....	ii.1290	4513	3247	J 251,R222
3725	34 37 9,5	18,98	0,175	+0,04	+8.2989	+9.8913	1.2782	9.5101	1506	177	iii.1306			
3726	88 10 40,5	18,98	0,145	.....	−9.6268	+8.4784	1.2782	9.5098	....	....	.....	....	....	B.F 1549
3727	61 20 31,3	18,98	0,156	+0,10	−9.3537	+9.6569	1.2783	9.5093	....	180	iii.1307			
3728	54 58 40,0	18,99	0,158	+0,26	−9.2322	+9.7351	1.2785	9.5076	1509	181	ii.1289			
3729	46 0 44,6	19,00	0,163	+0,03	−8.9538	+9.8182	1.2788	9.5053	1510	182	ii.1291			
3730	146 28 35,6	19,01	0,113	−0,06	−9.7036	−9.8978	1.2790	9.5033	....	....	v.1771	4501	3253	R 223
3731	144 20 35,4	19,01	0,115	+0,06	−9.7089	−9.8866	1.2790	9.5029	....	....	v.1773	4500	3255	
3732	91 19 57,3	19,02	0,142	.....	−9.6446	−8.3435	1.2792	9.5009	....	....	.....	....	....	B.H 893
3733	109 19 52,6	19,02	0,135	+0,10	−9.7112	−9.4969	1.2793	9.5006	1513	183	ii.1292	....	....	B.F 1553
3734	146 26 37,2	19,03	0,112	−0,10	−9.7016	−9.8980	1.2794	9.4993	....	....	v.1778	4507	3263	R 224
3735	63 42 40,2	+19,03	+0,151	−0,02	−9.3972	+9.6236	+1.2795	+9.4984	1512	185	iii.1308			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3736	47 Leonis Minoris....	7	10 46 37,27	+3,363	−0,0274	0,000	−8.8870	+8.4076	+0.5268	−8.6438
3737	Leonis	7½	46 58,65	3,119	−0,0073	−0,006	8.8044	8.3227	0.4941	−7.8679
3738*	Velorum	6½	47 14,85	2,561	+0,0193	−0,018	9.0000	8.5166	0.4084	+8.8887
3739	Carinæ	6	47 18,39	2,401	+0,0218	.....	9.0787	8.5949	0.3803	+9.0075
3740	Carinæ ..... *u*	5	47 24,97	2,403	+0,0219	−0,007	9.0783	8.5938	0.3807	+9.0069
3741*	Leonis Minoris....	6	47 25,25	3,355	−0,0267	−0,007	8.8848	8.4003	0.5257	−8.6357
3742	54 Leonis	4½	47 29,24	3,270	−0,0191	+0,005	8.8465	8.3616	0.5145	−8.4813
3743	Ursæ Majoris	7	47 33,69	3,510	−0,0424	−0,005	8.9646	8.4792	0.5453	−8.8257
3744	Ursæ Majoris	6½	47 39,92	3,455	−0,0367	+0,005	8.9365	8.4504	0.5385	−8.7687
3745	Antliæ	6	47 42,13	2,747	+0,0136	.....	8.9051	8.4188	0.4389	+8.6941
3746	Chamæleontis	6	47 42,35	1,513	−0,0054	−0,047	9.3914	8.9051	0.1799	+9.3765
3747	Draconis	6½	47 46,70	5,121	−0,3318	−0,019	9.5050	9.0182	0.7093	−9.4963
3748	49 Leonis Minoris....	7½	47 57,12	3,213	−0,0145	+0,009	8.8263	8.3384	0.5069	−8.3379
3749	55 Leonis	6	47 59,43	3,082	−0,0046	+0,011	8.8023	8.3141	0.4888	−7.2305
3750	56 Leonis	7	48 14,07	3,121	−0,0074	+0,002	8.8055	8.3158	0.4943	−7.8905
3751*	50 Leonis Minoris....	6	48 25,59	3,274	−0,0197	0,000	8.8498	8.3589	0.5150	−8.4963
3752*	57 Leonis	7	48 28,93	3,079	−0,0044	+0,007	8.8025	8.3112	0.4885	−7.1354
3753	Carinæ	6	48 47,82	1,952	+0,0173	−0,017	9.2670	8.7735	0.2906	+9.2397
3754	Carinæ	6	49 18,96	2,376	+0,0229	+0,011	9.1003	8.6036	0.3758	+9.0366
3755	Antliæ	5½	49 44,06	2,774	+0,0131	−0,005	8.8971	8.3975	0.4431	+8.6697
3756*	Chamæleontis	5½	49 58,07	1,047	−0,0493	−0,029	9.5134	9.0123	0.0199	+9.5050
3757	47 Ursæ Majoris	5½	51 2,87	3,418	−0,0343	−0,028	8.9277	8.4195	0.5337	−8.7467
3758	Ursæ Majoris	6	51 36,35	3,482	−0,0416	.....	8.9651	8.4531	0.5419	−8.8244
3759	Leonis	8	51 42,93	3,145	−0,0093	+0,006	8.8120	8.2993	0.4976	−8.0821
3760	Ursæ Majoris	6	51 49,46	3,445	−0,0376	.....	8.9454	8.4320	0.5372	−8.7850
3761	Leonis	7	51 50,96	3,158	−0,0103	−0,006	8.8149	8.3012	0.4993	−8.1504
3762*	Carinæ	6	52 4,13	2,093	+0,0224	−0,001	9.2354	8.7203	0.3207	+9.2033
3763	Antliæ	6	52 9,17	2,818	+0,0119	+0,003	8.8807	8.3650	0.4499	+8.6160
3764	Draconis	7	52 14,25	4,662	−0,2413	−0,022	9.4286	8.9123	0.6686	−9.4159
3765	49 Ursæ Majoris	6	52 25,29	3,397	−0,0327	−0,002	8.9206	8.4031	0.5311	−8.7288
3766	7 Crateris ..... *α*	4	52 28,25	2,948	+0,0046	−0,029	8.8254	8.3075	0.4696	+8.3035
3767	48 Ursæ Majoris .. *β*	2	52 45,41	3,670	−0,0653	+0,015	9.0710	8.5512	0.5647	−8.9955
3768	58 Leonis ..... *d*	5	52 48,81	3,101	−0,0058	+0,003	8.8063	8.2861	0.4914	−7.6933
3769	59 Leonis ..... *c*	5½	52 58,37	3,117	−0,0071	+0,002	8.8082	8.2869	0.4938	−7.8883
3770	Centauri	6	53 10,91	2,712	+0,0169	−0,018	8.9411	8.4183	0.4333	+8.7749
3771	Carinæ	6	53 12,74	2,391	+0,0246	−0,019	9.1131	8.5902	0.3786	+9.0529
3772	Centauri	6	53 17,12	2,732	+0,0161	+0,010	8.9303	8.4068	0.4365	+8.7509
3773	Leonis	7	53 23,57	3,076	−0,0040	+0,023	8.8054	8.2812	0.4880	−6.9773
3774	Hydræ	6	53 34,44	2,841	+0,0110	+0,007	8.8725	8.3471	0.4534	+8.5849
3775	61 Leonis ..... *p*[1]	5½	54 10,84	3,060	−0,0027	+0,007	8.8059	8.2763	0.4857	+7.2724
3776	60 Leonis ..... *b*	5	54 19,05	3,216	−0,0155	+0,003	8.8356	8.3050	0.5073	−8.3896
3777	50 Ursæ Majoris .. *α*	1½	54 25,93	3,797	−0,0848	−0,013	9.1424	8.6110	0.5795	−9.0905
3778	Hydræ	6	55 9,16	2,888	+0,0089	+0,007	8.8527	8.3162	0.4607	+8.4949
3779	Leonis	7	55 34,23	3,071	−0,0035	+0,001	8.8065	8.2671	0.4873	−5.8017
3780*	Leonis	7½	10 55 53,31	+3,125	−0,0078	.....	−8.8114	+8.2697	+0.4949	−7.9754

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3736	55 10 2,4	+19,04	+0,154	+0,13	−9.2465	+9.7341	+1.2796	+9.4979	1511	184	iii.1309			
3737	83 21 15,2	19,05	0,143	−0,02	−9.5963	+9.0410	1.2798	9.4959	....	186	iii.1310	....	....	M 464
3738	140 42 6,5	19,05	0,117	−0,05	−9.7131	−9.8664	1.2800	9.4944	....	....	v.1783	4511	3271	
3739	148 5 47,4	19,06	0,109	.....	−9.6938	−9.9067	1.2800	9.4940	....	....	.....	....	3272	R 225
3740	148 3 26,9	19,06	0,109	+0,03	−9.6936	−9.9065	1.2801	9.4934	....	....	ii.1294	4515	3274	J 252, R 226
3741	55 41 39,8	19,06	0,152	+0,10	−9.2625	+9.7288	1.2801	9.4933	1514	187	iii.1312			
3742	64 27 4,4	19,06	0,148	+0,01	−9.4104	+9.6127	1.2801	9.4930	1515	190	ii.1293			
3743	43 25 52,0	19,06	0,159	−0,01	−8.8609	+9.8390	1.2802	9.4925	....	188	iii.1313	....	....	B.H 1508
3744	47 11 18,3	19,06	0,156	+0,02	−9.0306	+9.8103	1.2802	9.4919	....	191	iv. 738	....	....	G 1711
3745	127 57 22,3	19,07	0,124	.....	−9.7267	−9.7669	1.2802	9.4917	....	....	v.1786	....	3278	
3746	165 5 9,9	19,07	0,069	+0,01	−9.6144	−9.9631	1.2802	9.4917	....	....	.....	4528	3280	R 227
3747	11 25 41,0	19,07	0,232	+0,04	+9.3381	+9.9694	1.2803	9.4913	1508	....	.....	....	....	G 1706
3748	71 2 53,4	19,07	0,145	−0,04	−9.4914	+9.4898	1.2804	9.4903	1516	192	iii.1314	....	....	B.F 1555
3749	88 27 50,0	19,07	0,139	0,00	−9.6289	+8.4065	1.2804	9.4900	1517	193	ii.1295			
3750	83 0 53,5	19,08	0,140	−0,01	9.5946	+9.0633	1.2806	9.4886	1519	196	ii.1296			
3751	63 41 56,5	19,09	0,147	+0,01	−9.4030	+9.6250	1.2807	9.4875	1518	197	ii.1297	....	....	W 627
3752	88 46 0,3	19,09	0,138	−0,03	−9.6307	+8.3114	1.2807	9.4872	1520	198	ii.1298			
3753	159 55 20,7	19,10	0,087	−0,05	−9.6396	−9.9515	1.2809	9.4853	....	....	.....	4531	3288	
3754	149 43 18,3	19,11	0,105	+0,01	−9.6821	−9.9153	1.2812	9.4822	....	....	v.1795	4530	3291	
3755	126 19 57,2	19,12	0,122	+0,20	−9.7230	−9.7519	1.2815	9.4797	....	199	ii.1299	4527	3293	
3756	168 45 29,8	19,13	0,046	−0,34	−9.5794	−9.9710	1.2816	9.4783	....	....	.....	4544	3298	R 228
3757	48 46 10,0	19,15	0,148	−0,06	−9.1176	+9.7990	1.2823	9.4718	1522	202	iii.1317			
3758	43 40 15,3	19,17	0,149	.....	−8.9395	+9.8397	1.2826	9.4684	....	....	.....	....	....	G 1722
3759	79 15 59,8	19,17	0,135	+0,06	−9.5702	+9.2505	1.2827	9.4677	....	204	iv. 741			
3760	46 16 41,5	19,17	0,147	.....	−9.0453	+9.8201	1.2827	9.4670	....	....	.....	....	....	G 1723
3761	77 29 35,0	19,18	0,135	+0,01	−9.5565	+9.3161	1.2827	9.4669	....	205	iii.1319			
3762	158 14 7,5	19,18	0,089	−0,04	−9.6357	−9.9485	1.2829	9.4655	....	....	.....	4548	3314	R 229
3763	122 55 53,1	19,18	0,120	−0,03	−9.7183	−9.7160	1.2829	9.4650	....	208	iii.1320	4540	3312	
3764	13 45 9,2	19,19	0,198	−0,01	+9.2548	+9.9681	1.2830	9.4645	1521	....	.....	....	....	G 1720
3765	49 59 0,8	19,19	0,144	+0,02	−9.1629	+9.7891	1.2831	9.4633	1524	206	iii.1321			
3766	107 30 1,8	19,19	0,125	−0,14	−9.7000	−9.4590	1.2831	9.4630	1525	209	ii.1300	....	3315	J 253
3767	32 48 53,1	19,20	0,155	−0,03	+7.8976	+9.9055	1.2833	9.4612	1523	207	ii.1301			
3768	85 34 42,7	19,20	0,131	+0,05	−9.6132	+8.8681	1.2833	9.4609	1526	210	ii.1302	....	....	M 465
3769	83 5 37,1	19,20	0,131	+0,04	−9.5978	+9.0612	1.2834	9.4599	1527	211	ii.1303	....	....	M 466
3770	133 0 12,8	19,21	0,114	−0,02	−9.7105	−9.8151	1.2835	9.4585	....	....	v.1811	4549	3321	
3771	150 31 4,4	19,21	0,100	−0,02	−9.6662	−9.9211	1.2835	9.4584	....	....	v.1812	4556	3324	R 231
3772	131 25 18,3	19,21	0,114	+0,04	−9.7121	−9.8019	1.2836	9.4579	....	215	iii.1322	4550	3323	R 230
3773	89 8 55,1	19,21	0,129	+0,05	−9.6331	+8.1534	1.2836	9.4572	....	212	iii.1323			
3774	121 2 24,3	19,22	0,118	−0,01	−9.7153	−9.6938	1.2837	9.4561	....	216	iii.1324	4552	3328	
3775	91 40 38,6	19,23	0,126	+0,03	−9.6455	−8.4483	1.2841	9.4522	1530	218	ii.1304			
3776	69 0 56,9	19,24	0,133	−0,04	−9.4829	+9.5359	1.2841	9.4513	1529	219	ii.1306			
3777	27 26 25,1	19,24	0,156	+0,09	+8.7033	+9.9301	1.2842	9.4506	1528	217	ii.1305			
3778	116 1 11,8	19,26	0,118	+0,10	−9.7097	−9.6245	1.2846	9.4459	1531	222	ii.1307	4565	3340	B.F 1570
3779	89 56 35,8	19,27	0,124	+0,30	−9.6372	+6.9778	1.2848	9.4432	....	225	ii.1308	....	....	W 630
3780	81 36 36,6	+19,28	+0,126	.....	−9.5900	+9.1469	+1.2850	+9.4411	....	....	.....	....	....	B.F 1571

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3781	Ursæ Majoris	7	10 55 55,65	+3,377	−0,0320	.....	−8.9204	+8.3784	+0.5285	−8.7255
3782	62 Leonis ..... p^3	6	55 56,03	3,076	−0,0038	−0,001	8.8068	8.2647	0.4880	−6.9550
3783	Hydræ	6	56 7,86	2,848	+0,0114	−0,009	8.8745	8.3310	0.4546	+8.5882
3784	51 Ursæ Majoris	6	56 10,07	3,369	−0,0312	−0,003	8.9166	8.3729	0.5275	−8.7160
3785	Leonis	7	56 15,00	3,099	−0,0058	−0,005	8.8082	8.2639	0.4912	−7.6975
3786	Leonis	7	56 39,35	3,068	−0,0032	+0,015	8.8071	8.2599	0.4868	+6.7229
3787*	51 Leonis Minoris....	7	57 14,62	3,247	−0,0190	−0,028	8.8538	8.3023	0.5115	−8.4959
3788	63 Leonis ..... χ	4½	57 16,77	3,122	−0,0077	−0,019	8.8118	8.2601	0.4945	−7.9632
3789	Velorum	6	57 32,27	2,586	+0,0231	+0,002	9.0321	8.4784	0.4127	+8.9366
3790*	Carinæ	6½	57 40,81	2,515	+0,0251	+0,019	9.0733	8.5186	0.4005	+8.9976
3791	Centauri	6	57 47,37	2,688	+0,0197	−0,016	8.9729	8.4174	0.4294	+8.8361
3792	Antliæ	6	57 50,18	2,820	+0,0135	+0,011	8.8944	8.3385	0.4502	+8.6529
3793	Hydræ ..... χ^1	5	58 6,98	2,893	+0,0093	−0,009	8.8560	8.2982	0.4613	+8.5053
3794	Hydræ ..... χ^2	5	58 41,71	2,895	+0,0094	+0,005	8.8563	8.2942	0.4616	+8.5055
3795	Leonis	7	58 53,38	3,087	−0,0047	+0,014	8.8088	8.2452	0.4896	−7.4803
3796	Centauri	6	58 57,98	2,698	+0,0198	−0,061	8.9716	8.4074	0.4311	+8.8331
3797	52 Leonis Minoris....	7	59 0,71	3,245	−0,0192	−0,002	8.8560	8.2915	0.5112	−8.5032
3798	65 Leonis ..... p^3	5½	59 15,07	3,088	−0,0047	−0,025	8.8090	8.2427	0.4896	−7.4930
3799	Hydræ	6	59 25,37	2,886	+0,0101	−0,002	8.8623	8.2947	0.4602	+8.5327
3800	Centauri	6	59 25,91	2,648	+0,0219	+0,005	9.0041	8.4365	0.4230	+8.8909
3801	64 Leonis	6½	10 59 37,61	3,227	−0,0175	+0,002	8.8484	8.2793	0.5087	−8.4600
3802	Carinæ	neb.	11 0 7,90	+2,521	+0,0262	−0,027	9.0831	8.5101	+0.4016	+9.0108
3803	Octantis ..... η	6	0 11,36	−0,098	−0,2852	−0,086	9.7746	9.2013	−8.9930	+9.7721
3804	Centauri	6	0 20,73	+2,763	+0,0174	−0,010	8.9368	8.3622	+0.4413	+8.7609
3805	Carinæ ..... z^1	6	0 26,20	2,435	+0,0280	+0,008	9.1320	8.5567	0.3865	+9.0764
3806	Carinæ	6	0 28,04	2,366	+0,0288	−0,009	9.1677	8.5922	0.3739	+9.1215
3807	Leonis	7	0 37,71	3,064	−0,0027	+0,011	8.8093	8.2325	0.4863	+7.0893
3808	Leonis	7	0 45,36	3,182	−0,0133	+0,010	8.8311	8.2534	0.5027	−8.3215
3809	67 Leonis	6	0 45,76	3,233	−0,0184	+0,003	8.8536	8.2759	0.5097	−8.4871
3810	Centauri	6	0 47,87	2,694	+0,0209	+0,002	8.9823	8.4043	0.4303	+8.8522
3811	Ursæ Majoris	6	1 3,68	3,328	−0,0287	+0,009	8.9077	8.3277	0.5222	−8.6884
3812	52 Ursæ Majoris .. ψ	3½	1 12,70	3,414	−0,0390	−0,003	8.9624	8.3811	0.5332	−8.8142
3813	Ursæ Majoris	6	1 13,54	3,398	−0,0371	−0,005	8.9527	8.3714	0.5313	−8.7946
3814	Carinæ	6	1 24,26	2,138	+0,0281	−0,053	9.2770	8.6943	0.3300	+9.2502
3815	Hydræ	5	1 29,16	2,897	+0,0101	0,000	8.8608	8.2774	0.4619	+8.5218
3816*	66 Leonis ..... p^4	7	1 34,29	3,068	−0,0029	+0,004	8.8097	8.2257	0.4868	+6.7692
3817*	Centauri	6	1 35,48	2,645	+0,0232	+0,048	9.0164	8.4322	0.4225	+8.9105
3818	Carinæ x	5½	2 12,00	2,533	+0,0271	−0,011	9.0877	8.4988	0.4037	+9.0169
3819	Carinæ	6	2 14,28	2,572	+0,0260	+0,006	9.0653	8.4761	0.4102	+8.9851
3820	Carinæ ..... z^2	6	2 20,51	2,467	+0,0287	−0,008	9.1263	8.5363	0.3921	+9.0687
3821*	Draconis	6	2 32	3,939	−0,1218	.....	9.2578	8.6662	0.5954	−9.2282
3822	Hydræ	5	2 40,85	2,867	+0,0123	−0,011	8.8797	8.2870	0.4575	+8.5984
3823*	Hydræ	6	2 45,00	2,888	+0,0110	.....	8.8683	8.2751	0.4605	+8.5536
3824	Leonis	7	3 51,49	3,159	−0,0114	−0,003	8.8262	8.2242	0.4995	−8.2452
3825	Ursæ Majoris	6	11 3 58,76	+3,545	−0,0586	.....	−9.0600	+8.4569	+0.5496	−8.9771

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3781	50 19 29,9	+19,28	+0,136	.....	−9.1981	+9.7879	+1.2850	+9.4408	....	....	.....	....	....	G 1732
3782	89 11 38,5	19,28	0,124	+0,03	9.6335	+8.1311	1.2850	9.4408	1533	227	iii.1328			
3783	121 9 7,3	19,28	0,114	−0,22	9.7107	−9.6967	1.2851	9.4395	....	....	v.1826	4571	3350	
3784	50 57 7,4	19,28	0,135	+0,06	9.2143	+9.7823	1.2852	9.4392	1532	226	iii.1329	....	....	B.H 1505?
3785	85 33 19,3	19,28	0,124	+0,08	9.6143	+8.8723	1.2852	9.4387	....	229	iii.1330	....	....	M 467
3786	90 28 18,7	19,29	0,122	+0,14	9.6397	−7.8990	1.2854	9.4360	....	232	iii.1331			
3787	63 59 12,2	19,31	0,128	+0,03	9.4336	+9.6256	1.2857	9.4320	1534	234	iii.1333	....	....	A 241
3788	81 51 15,5	19,31	0,123	+0,08	9.5925	+9.1349	1.2858	9.4318	1535	236	ii.1310	....	....	M 468
3789	143 23 18,0	19,32	0,102	−0,24	9.6766	−9.8882	1.2859	9.4300	....	....	v.1836	4581	3368	
3790	147 8 48,1	19,32	0,099	−0,15	9.6637	−9.9081	1.2860	9.4291	....	....	v.1838	4585	3370	
3791	136 52 25,1	19,32	0,105	+0,30	9.6923	−9.8470	1.2860	9.4283	....	....	v.1839	4584	3371	
3792	124 59 50,5	19,32	0,110	+0,05	9.7069	−9.7424	1.2860	9.4280	....	....	v.1840	4580	3372	
3793	116 29 5,1	19,33	0,113	+0,03	9.7054	−9.6333	1.2862	9.4261	1536	237	ii.1311	4583	3376	B.F 1576
3794	116 28 40,7	19,34	0,112	+0,03	9.7043	−9.6335	1.2865	9.4221	1538	240	ii.1312	4587	3382	
3795	87 18 35,2	19,35	0,119	+0,13	9.6244	+8.6559	1.2866	9.4208	....	241	iii.1336			
3796	136 37 56,8	19,35	0,104	−0,11	9.6896	−9.8459	1.2866	9.4202	....	....	v.1844	4591	3387	
3797	63 39 3,7	19,35	0,124	−0,04	9.4349	+9.6317	1.2867	9.4199	1537	242	iii.1337			
3798	87 13 52,6	19,35	0,118	+0,10	9.6241	+8.6685	1.2868	9.4183	1539	243	ii.1313			
3799	117 54 56,5	19,36	0,110	+0,03	9.7040	−9.6551	1.2869	9.4171	....	....	v.1845	4593	3389	
3800	140 24 4,1	19,36	0,101	+0,20	9.6793	−9.8714	1.2869	9.4170	....	....	.....	4598	3390	
3801	65 51 59,7	19,36	0,123	+0,02	9.4617	+9.5963	1.2870	9.4156	1540	245	iii.1338			
3802	147 51 49,3	19,38	+0,095	−0,27	9.6527	−9.9128	1.2872	9.4121	....	....	v.1850	4604	3399	
3803	173 47 14,1	19,38	−0,004	+0,06	9.4822	−9.9825	1.2873	9.4117	....	....	.....	4643	3409	R 232
3804	131 49 48,6	19,38	+0,104	+0,04	9.6946	−9.8092	1.2873	9.4106	....	248	iii.1339	4603	3400	
3805	151 36 46,8	19,38	0,091	−0,16	9.6359	−9.9295	1.2874	9.4099	....	....	v.1852	4611	3402	
3806	154 1 53,5	19,38	0,089	+0,02	9.6242	−9.9390	1.2874	9.4097	....	....	.....	4613	3404	
3807	91 5 31,3	19,39	0,115	+0,05	9.6423	−8.2653	1.2875	9.4085	....	250	iv. 751			
3808	71 58 50,9	19,39	0,119	+0,11	9.5232	+9.4758	1.2875	9.4076	....	251	iv. 752			
3809	64 31 50,9	19,39	0,121	+0,01	9.4501	+9.6188	1.2876	9.4076	1541	249	iii.1340			
3810	137 49 45,0	19,39	0,100	−0,19	9.6818	−9.8553	1.2876	9.4073	....	....	v.1854	4610	3407	
3811	52 52 38,6	19,40	0,123	+0,02	9.2844	+9.7662	1.2877	9.4054	....	252	iii.1342			
3812	44 41 20,0	19,40	0,126	+0,09	9.0962	+9.8374	1.2878	9.4043	1542	253	ii.1315			
3813	45 58 46,8	19,40	0,126	−0,04	9.1329	+9.8275	1.2878	9.4042	....	254	iii.1343	....	....	G 1742
3814	160 4 12,9	19,40	0,079	+0,11	9.5863	−9.9588	1.2879	9.4029	....	....	.....	4625	3413	
3815	117 16 5,4	19,41	0,107	+0,02	9.7002	−9.6467	1.2879	9.4024	1544	256	ii.1316	4615	....	B.F 1582
3816	90 31 19,3	19,41	0,113	+0,05	9.6397	−7.9452	1.2880	9.4017	1543	255	ii.1317	....	....	W 633
3817	141 35 35,9	19,41	0,097	−0,67	9.6695	−9.8799	1.2880	9.4016	....	....	v.1857	4619	3412	
3818	148 9 46,4	19,42	0,092	−0,01	9.6443	−9.9152	1.2883	9.3971	....	....	v.1858	4627	3416	
3819	146 15 13,4	19,42	0,094	0,00	9.6518	−9.9059	1.2883	9.3969	....	....	v.1859	4626	3417	
3820	151 8 5,7	19,42	0,090	−0,07	−9.6309	−9.9285	1.2883	9.3961	....	....	v.1860	4629	3419	
3821	20 54	19,43	0,143	.....	+8.8865	+9.9566	1.2884	9.3947	....	....	.....	....	....	A
3822	121 33 16,3	19,43	0,104	+0,12	−9.6984	−9.7050	1.2885	9.3936	....	2	iii.1346	4623	3430	
3823	118 58 54,3	19,43	0,104	.....	−9.6985	−9.6716	1.2885	9.3931	....	....	v.1862	....	3421	
3824	74 47 11,6	19,46	0,112	+0,15	−9.5505	+9.4058	1.2891	9.3848	....	4	ii.1318			
3825	34 17 28,4	+19,46	+0,125	.....	−8.6484	+9.9040	+1.2891	+9.3838	....	....	.....	....	....	G 1746

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3826	11 Crateris ..... β	4	11 4 17,27	+2,941	+0,0077	+0,006	−8.8438	+8.2383	+0.4684	+8.4175
3827*	Centauri	6	4 27,35	2,601	+0,0264	.....	9.0594	8.4525	0.4152	+8.9761
3828*	Hydræ	6	4 39,44	2,915	+0,0097	−0,007	8.8574	8.2489	0.4646	+8.4992
3829	Centauri	6	5 16,20	2,749	+0,0203	−0,003	8.9654	8.3518	0.4392	+8.8183
3830*	Centauri	6	5 43,88	2,719	+0,0221	0,010	8.9886	8.3711	0.4344	+8.8616
3831*	Leonis	7	5 47,91	3,191	−0,0149	−0,025	8.8414	8.2234	0.5039	−8.3947
3832	69 Leonis ..... p^5	5½	6 5,73	3,075	−0,0033	+0,011	8.8118	8.1914	0.4878	−6.9258
3833	Centauri	6	6 6,20	2,713	+0,0226	−0,003	8.9942	8.3736	0.4335	+8.8714
3834	68 Leonis ..... δ	2½	6 7,35	3,192	−0,0152	+0,017	8.8427	8.2220	0.5041	−8.4037
3835	Carinæ ..... y	6	6 10,74	2,542	+0,0294	+0,004	9.1064	8.4852	0.4053	+9.0417
3836*	Leonis	6	6 11,04	3,087	−0,0045	.....	8.8125	8.1913	0.4896	−7.5412
3837	Leonis	6½	6 14,05	3,119	−0,0076	+0,008	8.8171	8.1955	0.4941	−8.0057
3838	70 Leonis ..... θ	3	6 21,99	3,161	−0,0119	0,000	8.8296	8.2069	0.4998	−8.2765
3839	Carinæ	6	6 32,84	2,455	+0,0318	−0,045	9.1603	8.5360	0.3900	+9.1115
3840	Centauri	6	6 55,66	2,672	+0,0251	−0,023	9.0269	8.3995	0.4268	+8.9259
3841	Carinæ	6	7 2,29	2,565	+0,0293	−0,015	9.0979	8.4695	0.4091	+9.0300
3842	72 Leonis	5	7 13,16	3,206	−0,0170	+0,001	8.8513	8.2213	0.5060	−8.4591
3843	73 Leonis ..... n	5½	8 0,89	3,146	−0,0105	+0,003	8.8260	8.1892	0.4978	−8.2134
3844	Leonis	7	8 6,21	3,142	−0,0101	−0,001	8.8247	8.1872	0.4973	−8.1907
3845	Leonis	6	8 7,46	3,144	−0,0102	+0,001	8.8252	8.1875	0.4974	−8.1986
3846*	Ursæ Majoris	6	8 13,54	3,431	−0,0462	+0,006	9.0073	8.3687	0.5355	−8.8934
3847	Carinæ	6	9 1,65	2,280	+0,0350	−0,053	9.2695	8.6239	0.3580	+9.2412
3848	74 Leonis ..... φ	5	9 2,28	3,056	−0,0014	−0,003	8.8136	8.1679	0.4852	+7.5075
3849	Centauri	6	9 30,07	2,778	+0,0208	−0,023	8.9643	8.3145	0.4437	+8.8143
3850	75 Leonis	5½	9 34,37	3,085	−0,0042	+0,008	8.8138	8.1634	0.4893	−7.5081
3851	53 Ursæ Majoris .. ξ	4	10 10,46	3,253	−0,0234	−0,030	8.8869	8.2311	0.5123	−8.6156
3852	54 Ursæ Majoris .. ν	4	10 22,05	3,264	−0,0248	+0,004	8.8946	8.2371	0.5137	−8.6412
3853*	Hydræ	6½	10 26,10	2,878	+0,0144	+0,003	8.8947	8.2365	0.4591	+8.6413
3854	Leonis	7	10 31,70	3,136	−0,0097	+0,013	8.8247	8.1656	0.4963	−8.1703
3855	Leonis	7	10 36,71	3,049	−0,0006	+0,053	8.8149	8.1552	0.4842	+7.6840
3856	55 Ursæ Majoris	5	10 56,68	3,301	−0,0299	+0,001	8.9234	8.2606	0.5186	−8.7224
3857	76 Leonis	6	11 13,27	3,083	−0,0040	+0,004	8.8144	8.1491	0.4889	−7.4493
3858	Carinæ	6	11 14,91	2,406	+0,0363	+0,063	9.2222	8.5566	0.3812	+9.1863
3859	12 Crateris ..... δ	3½	11 50,72	3,001	+0,0043	−0,004	8.8273	8.1562	0.4773	+8.2100
3860	Carinæ	6	13 2,16	2,519	+0,0353	−0,046	9.1692	8.4870	0.4012	+9.1220
3861	Leonis	7	13 15,54	3,098	−0,0055	+0,010	8.8170	8.1326	0.4910	−7.8142
3862	77 Leonis ..... σ	4	13 24,05	3,103	−0,0062	−0,004	8.8180	8.1322	0.4918	−7.8946
3863	Leonis	7	13 44,05	3,106	−0,0065	−0,019	8.8187	8.1297	0.4922	−7.9319
3864*	Ursæ Majoris	6	13 53,91	3,647	−0,0894	−0,003	9.1916	8.5010	0.5620	−9.1494
3865	Chamæleontis	6	14 10,47	1,724	+0,0157	−0,013	9.5285	8.8353	0.2365	+9.5203
3866	Centauri ..... π	4	14 10,55	2,710	+0,0279	0,048	9.0425	8.3493	0.4329	+8.9487
3867*	Chamæleontis	6	14 12,38	2,125	+0,0376	−0,045	9.3835	8.6900	0.3273	+9.3671
3868	56 Ursæ Majoris	5½	14 34,69	3,328	−0,0359	+0,003	8.9606	8.2635	0.5221	−8.8048
3869*	71 Leonis	6	14 38,08	3,157	−0,0127	.....	8.8378	8.1401	0.4993	−8.3338
3870	Centauri	6	11 15 18,48	+2,822	+0,0211	+0,013	−8.9574	+8.2530	+0.4506	+8.7977

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3826	112 0 26,4	+19,47	+0,103	+0,10	−9.6924	−9.5608	+1.2893	+9.3815	1545	6	ii.1319	....	3436	J 256
3827	145 38 12,7	19.47	0,091	.....	9.6464	−9.9038	1.2893	9.3802	....	....	v.1869	....	3439	
3828	115 59 36,7	19.47	0,102	+0,02	9.6945	−9.6290	1.2894	9.3787	....	....	v.1870	4639	3435	
3829	135 27 7,8	19.49	0,095	−0,16	9.6749	−9.8404	1.2897	9.3739	....	....	v.1876	4644	3445	
3830	138 17 16,6	19,50	0,093	+0,17	9.6663	−9.8607	1.2899	9.3703	....	....	v.1879	4649	3452	
3831	69 3 1,1	19,50	0,109	+0,11	9.5072	+9.5411	1.2900	9.3698	....	9	iii.1349	....	....	B.F 1584
3832	89 15 17,7	19,50	0,105	+0,05	9.6344	+8.1019	1.2901	9.3674	1547	11	ii.1321	....	3456	
3833	138 55 12,1	19,50	0,092	+0,06	9.6635	−9.8651	1.2901	9.3674	....	....	v.1881	4650	3457	
3834	68 39 18,1	19,50	0,108	+0,14	9.5043	+9.5490	1.2901	9.3672	1546	10	ii.1320	....	....	M 470
3835	149 30 7,4	19,50	0,086	+0,02	9.6240	−9.9232	1.2901	9.3668	....	....	v.1884	4652	3462	
3836	86 55 49,4	19,51	0,105	.....	9.6241	+8.7167	1.2901	9.3667	....	....	.....	....	....	B.F 1589
3837	81 7 8,9	19,51	0,106	+0,12	9.5943	+9.1765	1.2902	9.3663	....	12	ii.1322	....	....	B.F 1587
3838	73 45 0,7	19,51	0,107	+0,03	9.5462	+9.4349	1.2902	9.3653	1548	13	ii.1323	....	3461	M 471
3839	153 21 19,9	19,51	0,083	+0,10	9.6034	−9.9393	1.2903	9.3638	....	....	.....	4657	3467	
3840	142 25 4,2	19,52	0,089	+0,06	9.6499	−9.8872	1.2905	9.3608	....	....	v.1886	4656	3470	
3841	148 48 5,9	19,52	0,086	−0,32	9.6240	−9.9205	1.2905	9.3599	....	....	v.1888	4661	3473	R 233
3842	66 5 15,4	19,53	0,107	+0,01	9.4832	+9.5962	1.2906	9.3585	1549	18	ii.1324			
3843	75 52 31,1	19,54	0,103	+0,04	9.5634	+9.3762	1.2910	9.3520	1550	20	ii.1325	....	....	M 472
3844	76 34 8,4	19,54	0,103	+0,13	9.5682	+9.3548	1.2910	9.3512	....	21	iii.1353			
3845	76 20 3,2	19,54	0,103	0,00	9.5667	+9.3622	1.2910	9.3511	....	22	ii.1326	....	....	W 636
3846	39 42 22,2	19,55	0,112	+0,01	9.0208	+9.8749	1.2910	9.3502	....	19	iii.1354	....	....	B.F.1592
3847	159 32 13,4	19,56	0,073	−0,63	9.5544	−9.9609	1.2914	9.3436	....	....	.....	4684	3497	
3848	92 49 56,6	19,56	0,098	+0,05	9.6477	−8.6830	1.2914	9.3435	1551	23	ii.1327	....	....	M473, J257
3849	135 3 52,4	19,57	0,089	−0,22	9.6639	−9.8393	1.2916	9.3396	....	....	v.1904	4678	3501	
3850	87 9 55,3	19,57	0,098	+0,18	9.6259	+8.6836	1.2916	9.3390	1552	24	ii.1328			
3851	57 37 36,4	19,58	0,102	+0,57	9.3997	+9.7184	1.2919	9.3338	1553	28	ii.1329	....	3504	
3852	56 5 16,2	19,59	0,102	−0,04	9.3806	+9.7363	1.2920	9.3322	1554	29	ii.1330			
3853	123 55 4,1	19,59	0,090	−0,15	9.6811	−9.7364	1.2920	9.3316	....	....	v.1909	4688	3510	
3854	77 11 44,0	19,59	0,098	+0,15	9.5748	+9.3354	1.2920	9.3308	....	31	iv. 757			
3855	94 14 30,5	19,59	0,095	+0,13	9.6519	−8.8589	1.2921	9.3301	....	32	iii.1358			
3856	50 59 31,2	19,60	0,102	+0,08	9.3086	+9.7889	1.2922	9.3272	1555	33	ii.1331			
3857	87 31 39,5	19,60	0,095	+0,07	9.6279	+8.6250	1.2923	9.3248	1556	36	ii.1332			
3858	157 0 16,1	19,60	0,074	+0,06	9.5609	−9.9541	1.2923	9.3245	....	....	.....	4701	3516	R 234
3859	103 58 5,3	19,61	0,091	−0,17	9.6734	−9.3730	1.2926	9.3193	1557	38	ii.1333	....	....	J 258
3860	153 45 47,6	19,64	0,075	−0,13	9.5732	−9.9436	1.2930	9.3085	....	....	.....	4712	3530	
3861	84 17 51,1	19,64	0,092	+0,06	9.6146	+8.9881	1.2931	9.3065	....	41	iii.1362			
3862	83 8 56,7	19,64	0,091	+0,02	9.6094	+9.0676	1.2932	9.3052	1558	42	ii.1334	....	....	M 474
3863	82 32 36,5	19,65	0,091	+0,02	9.6067	+9.1043	1.2933	9.3021	....	44	iii.1363			
3864	24 51 2,4	19,65	0,106	+0,06	7.0414	+9.9490	1.2934	9.3006	....	43	iii.1364	....	....	B.F 1599
3865	168 50 39,0	19,66	0,050	−0,25	9.4455	−9.9830	1.2935	9.2980	....	....	.....	4729	3548	
3866	143 40 14,5	19,66	0,079	+0,32	9.6202	−9.8974	1.2935	9.2980	....	....	ii.1335	4717	3544	J259, R237
3867	164 19 32,2	19,66	0,062	+0,67	9.4890	−9.9748	1.2935	9.2977	....	....	.....	4724	3547	R 238
3868	45 41 43,5	19,66	0,096	+0,07	9.2383	+9.8356	1.2936	9.2942	1559	46	iii.1365			
3869	71 44 22,4	19,66	0,091	.....	9.5447	+9.4875	1.2937	9.2937	....	....	.....	....	....	B.F 1603
3870	133 49 15,3	+19,68	+0,080	−0,16	−9.6506	−9.8321	+1.2939	+9.2873	....	....	v.1928	4723	3550	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3871	Leonis	7	11 15 29,63	+3,104	−0,0064	−0,003	−8.8193	+8.1131	+0.4920	−7.9298
3872	Centauri	6	15 31,77	2,662	+0,0316	.....	9.0884	8.3818	0.4252	+9.0156
3873	Leonis	7	15 37,12	3,075	−0,0030	+0,001	8.8158	8.1083	0.4878	−7.0376
3874	13 Crateris .....λ	6	15 55,99	2,988	+0,0065	−0,018	8.8375	8.1268	0.4754	+8.3265
3875	Hydræ	5½	15 58,13	2,890	+0,0159	+0,015	8.9043	8.1933	0.4608	+8.6666
3876	Centauri	neb.	16 1,82	2,671	+0,0316	−0,152	9.0855	8.3739	0.4266	+9.0115
3877	78 Leonis ..... ι	4	16 6,21	3,122	−0,0085	+0,015	8.8245	8.1121	0.4944	−8.1187
3878	Centauri	6	16 20,10	2,696	+0,0304	−0,017	9.0680	8.3532	0.4307	+8.9863
3879	79 Leonis	5½	16 20,65	3,081	−0,0035	+0,004	8.8163	8.1015	0.4886	−7.4065
3880	Carinæ	6	16 53,72	2,555	+0,0378	−0,012	9.1764	8.4559	0.4074	+9.1305
3881	14 Crateris ..... ε	5	17 2,28	3,027	+0,0026	+0,001	8.8229	8.1010	0.4809	+8.0642
3882	Leonis	6½	17 12,04	3,125	−0,0090	+0,001	8.8263	8.1026	0.4948	−8.1532
3883	15 Crateris .....γ	4	17 23,56	2,996	+0,0061	−0,006	8.8354	8.1098	0.4765	+8.2979
3884	Leonis	7½	17 27,35	3,099	−0,0058	+0,007	8.8192	8.0929	0.4912	−7.8773
3885	Ursæ Majoris	5	17 27,73	3,446	−0,0579	−0,007	9.0765	8.3501	0.5373	−8.9985
3886*	81 Leonis	6	17 46,97	3,147	−0,0120	−0,005	8.8366	8.1068	0.4979	−8.3094
3887	82 Leonis	7	17 56,65	3,088	−0,0044	+0,006	8.8177	8.0862	0.4897	−7.6747
3888	80 Leonis	7	18 7,44	3,091	−0,0047	−0,004	8.8181	8.0847	0.4900	−7.7301
3889	Chamæleontis	6	18 12,02	2,348	+0,0440	−0,083	9.3138	8.5796	0.3708	+9.2906
3890	Hydræ	6	18 14,05	2,899	+0,0161	0,000	8.9046	8.1701	0.4623	+8.6658
3891	Centauri	6	18 18,05	2,889	+0,0172	−0,006	8.9139	8.1787	0.4607	+8.6926
3892	Leonis	7	18 32,25	3,111	−0,0074	+0,012	8.8227	8.0850	0.4929	−8.0396
3893	Centauri	6	18 34,99	2,830	+0,0225	−0,008	8.9677	8.2295	0.4518	+8.8176
3894*	83 Leonis	7	19 9,68	3,087	−0,0043	−0,051	8.8180	8.0735	0.4895	−7.6427
3895	Centauri	6	19 15,09	2,604	+0,0381	−0,076	9.1621	8.4167	0.4156	+9.1126
3896	Chamæleontis	6	19 22,32	2,308	+0,0455	−0,027	9.3465	8.5998	0.3633	+9.3267
3897	16 Crateris ..... κ	6	19 36,33	3,023	+0,0036	−0,007	8.8260	8.0767	0.4804	+8.1269
3898	Centauri	6	19 48,89	2,768	+0,0283	−0,014	9.0311	8.2795	0.4422	+8.9296
3899	Centauri	6	19 52,04	2,662	+0,0356	−0,027	9.1221	8.3699	0.4253	+9.0609
3900	84 Leonis .....τ	4	20 13,50	3,086	−0,0041	+0,005	8.8182	8.0621	0.4893	−7.6259
3901	Leonis	7	20 13,95	3,067	−0,0018	+0,001	8.8174	8.0611	0.4867	+7.0013
3902	Leonis	7	20 13,98	3,123	−0,0091	−0,011	8.8283	8.0720	0.4946	−8.1737
3903	Leonis	7	20 23,19	3,070	−0,0022	+0,007	8.8174	8.0594	0.4872	+5.9262
3904*	Ursæ Majoris	6	20 27,65	3,513	−0,0753	−0,017	9.1544	8.3955	0.5457	−9.1026
3905	57 Ursæ Majoris	6	20 58,73	3,262	−0,0301	−0,001	8.9344	8.1697	0.5135	−8.7439
3906	Draconis	6	21 5,31	4,668	−0,4268	.....	9.6715	8.9056	0.6692	−9.6672
3907	Centauri	6	21 22,60	2,870	+0,0207	+0,003	8.9456	8.1764	0.4578	+8.7699
3908	Centauri	6	21 42,25	2,724	+0,0334	.....	9.0854	8.3125	0.4352	+9.0106
3909	Leonis	7	21 44,28	3,071	−0,0021	+0,002	8.8178	8.0445	0.4872	+5.4479
3910	85 Leonis	6	21 52,92	3,135	−0,0111	+0,003	8.8356	8.0606	0.4963	−8.2823
3911	Leonis	7	21 55,21	3,103	−0,0066	+0,004	8.8226	8.0471	0.4918	−7.9886
3912	Chamæleontis	6	22 9,80	2,408	+0,0483	−0,078	9.3200	8.5417	0.3817	+9.2973
3913	58 Ursæ Majoris	6	22 24,34	3,281	−0,0344	+0,011	8.9611	8.1799	0.5161	−8.8028
3914	1 Draconis .....λ	3½	22 26,44	3,675	−0,1159	−0,004	9.2873	8.5057	0.5653	−9.2607
3915	86 Leonis	5½	11 22 39,15	+3,146	−0,0128	−0,001	−8.8431	+8.0590	+0.4978	−8.3609

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
3871	82 35 25,6	+19,68	+0,087	−0,06	−9.6079	+9.1022	+1.2940	+9.2855	....	48	iii.1366			
3872	147 44 43,9	19,68	0,075	.....	9.5963	−9.9190	1.2940	9.2852	....	....	v.1929	....	3552	
3873	89 2 42,3	19,68	0,086	+0,05	9.6342	+8.2137	1.2940	9.2843	....	50	ii.1336	....	....	W 637
3874	107 57 19,8	19,69	0,083	+0,02	9.6737	−9.4809	1.2941	9.2813	1561	53	ii.1337			
3875	125 20 39,1	19,69	0,081	+0,21	9.6670	−9.7542	1.2942	9.2809	....	55	iii.1368	4728	3554	
3876	147 29 23,6	19,69	0,074	−0,72	9.5956	−9.9179	1.2942	9.2803	....	....	v.1931	4733	3555	
3877	78 38 39,4	19,69	0,087	+0,06	9.5888	+9.2862	1.2942	9.2796	1560	54	ii.1338	....	....	M 475
3878	145 57 31,6	19,69	0,075	+0,41	9.6018	−9.9104	1.2943	9.2773	....	....	v.1932	4734	3557	R 239
3879	87 46 10,2	19,69	0,085	+0,03	9.6296	+8.5823	1.2943	9.2772	1562	56	ii.1339	....	....	M 476
3880	154 7 53,2	19,70	0,070	−0,06	9.5533	−9.9464	1.2945	9.2718	....	....	.....	4737	3562	R 240
3881	100 2 15,4	19,70	0,082	−0,01	9.6626	−9.2336	1.2945	9.2704	1563	58	ii.1340	....	....	J 260
3882	77 44 43,2	19,71	0,085	+0,03	9.5851	+9.3192	1.2946	9.2687	....	60	ii.1341	....	....	W 639
3883	106 51 36,1	19,71	0,081	−0,04	9.6711	−9.4549	1.2947	9.2668	1564	62	ii.1342	....	....	J 261
3884	83 26 10,6	19,71	0,083	+0,04	9.6128	+9.0505	1.2947	9.2662	....	61	iii.1370			
3885	33 19 39,7	19,71	0,093	−0,04	8.9253	+9.9145	1.2947	9.2661	....	59	iii.1369	....	....	G 1776
3886	72 43 7,0	19,72	0,084	0,00	9.5563	+9.4654	1.2948	9.2628	1565	64	ii.1343	....	....	W 640
3887	85 52 26,0	19,72	0,082	+0,07	9.6229	+8.8497	1.2949	9.2612	1566	65	ii.1344			
3888	85 18 56,8	19,72	0,082	+0,11	9.6209	+8.9047	1.2949	9.2594	1567	67	ii.1345			
3889	161 26 16,1	19,72	0,062	+0,71	9.4914	9.9695	1.2950	9.2586	....	....	.....	4744	3575	R 241
3890	125 14 27,1	19,72	0,077	+0,11	9.6618	−9.7539	1.2950	9.2582	....	68	iii.1372	4739	3571	
3891	126 55 23,6	19,72	0,076	+0,13	9.6586	−9.7715	1.2950	9.2575	....	....	v.1940	4740	3573	
3892	80 31 1,4	19,73	0,082	+0,16	9.6003	+9.2097	1.2951	9.2551	....	69	iii.1373	....	....	B.F 1612
3893	135 3 19,3	19,73	0,074	−0,12	9.6373	−9.8428	1.2951	9.2546	....	....	v.1941	4743	3576	
3894	86 10 11,9	19,74	0,080	−0,16	9.6245	+8.8178	1.2953	9.2486	1568	70	iii.1374	....	....	M 477
3895	153 8 44,0	19,74	0,067	+0,04	9.5488	−9.9435	1.2953	9.2476	....	....	.....	4747	3579	
3896	162 48 50,5	19,74	0,059	+0,39	9.4723	−9.9733	1.2954	9.2464	....	....	.....	4752	3581	
3897	101 31 57,9	19,74	0,077	−0,02	9.6630	−9.2941	1.2954	9.2439	1569	72	ii.1346			
3898	142 20 8,0	19,75	0,070	−0,19	9.6056	−9.8918	1.2955	9.2417	....	....	v.1945	4748	3582	
3899	150 17 31,8	19,75	0,068	+0,24	9.5640	−9.9321	1.2955	9.2411	....	....	v.1946	4751	3584	
3900	86 19 5,3	19,75	0,078	+0,03	9.6253	+8.8011	1.2957	9.2372	1570	76	ii.1347	....	....	M 478
3901	90 52 30,3	19,75	0,077	+0,05	9.6400	−8.1773	1.2957	9.2372	....	77	ii.1348	....	....	W 644, Airy (C.)
3902	77 12 7,9	19,75	0,079	+0,11	9.5855	+9.3388	1.2957	9.2372	....	75	iii.1377			
3903	90 4 24,8	19,76	0,077	+0,19	9.6377	−7.1023	1.2957	9.2355	....	78	iii.1379			
3904	27 24 27,1	19,76	0,088	−0,13	8.6758	+9.9418	1.2957	9.2347	....	74	iii.1378	....	....	B.H 1521
3905	49 50 18,2	19,77	0,081	+0,01	−9.3469	+9.8032	1.2959	9.2290	1571	80	iii.1381			
3906	8 2 53,0	19,77	0,115	.....	+9.0274	+9.9894	1.2959	9.2278	....	....	.....	....	....	G 1782
3907	131 50 56,7	19,77	0,070	+0,13	−9.6387	−9.8180	1.2960	9.2246	....	81	v.1955	4754	3595	R 242
3908	147 18 57,1	19,78	0,066	.....	9.5732	−9.9191	1.2961	9.2209	....	....	v.1957	....	3597	
3909	90 1 28,4	19,78	0,074	+0,06	9.6376	−6.6240	1.2961	9.2206	....	82	iii.1383			
3910	73 45 26,5	19,78	0,076	+0,03	9.5686	+9.4407	1.2962	9.2189	1573	83	ii.1349			
3911	81 34 25,4	19,78	0,075	+0,07	9.6076	+9.1599	1.2962	9.2185	....	85	iii.1385			
3912	161 39 13,5	19,78	0,058	+0,72	9.4663	−9.9714	1.2963	9.2158	....	....	.....	4765	3602	R 243
3913	46 0 14,8	19,79	0,078	−0,04	−9.2984	+9.8359	1.2964	9.2130	1574	87	iii.1386			
3914	19 50 30,9	19,79	0,087	+0,08	+7.7924	+9.9676	1.2964	9.2126	1572	86	ii.1350			
3915	70 45 52,6	+19,79	+0,074	−0,01	−9.5517	+9.5120	+1.2964	+9.2102	1575	88	ii.1351			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3916	87 Leonis ..... *e*	4½	11 22 39,16	+3,062	−0,0010	+0,004	−8.8184	+8.0344	+0.4861	+7.3979
3917	Leonis	7	23 41,26	3,085	−0,0040	+0,019	8.8194	8.0230	0.4893	−7.6508
3918*	Ursæ Majoris	6	23 48,49	3,465	−0,0714	.....	9.1456	8.3477	0.5397	−9.0912
3919	88 Leonis	6	24 0,09	3,127	−0,0104	−0,018	8.8340	8.0337	0.4952	−8.2526
3920	Leonis	7	24 18,61	3,050	+0,0009	−0,017	8.8207	8.0166	0.4843	+7.8132
3921	Hydræ	6½	24 50,57	2,960	+0,0129	0,000	8.8746	8.0639	0.4713	+8.5525
3922*	Hydræ	5	24 50,91	2,960	+0,0129	+0,004	8.8746	8.0638	0.4713	+8.5525
3923	Centauri	6	24 51,68	2,735	+0,0359	−0,087	9.1032	8.2922	0.4369	+9.0349
3924	Centauri	6	24 52,22	2,736	+0,0359	+0,069	9.1021	8.2910	0.4371	+9.0333
3925*	Crateris	7	25 10,17	3,046	+0,0016	−0,008	8.8221	8.0073	0.4837	+7.9080
3926	Hydræ	5½	25 30,01	2,954	+0,0140	+0,008	8.8826	8.0635	0.4704	+8.5850
3927	Centauri	6	25 30,19	2,905	+0,0199	−0,018	8.9323	8.1132	0.4631	+8.7368
3928	Hydræ	4	25 38,25	2,951	+0,0145	−0,010	8.8861	8.0652	0.4699	+8.5983
3929	Centauri	6	26 18,93	2,908	+0,0201	−0,015	8.9334	8.1038	0.4636	+8.7393
3930	89 Leonis	6	26 41,34	3,084	−0,0039	−0,008	8.8203	7.9858	0.4891	−7.6521
3931	Ursæ Majoris	6	26 47,11	3,353	−0,0529	.....	9.0675	8.2317	0.5254	−8.9841
3932	90 Leonis	6	26 53,77	3,132	−0,0116	+0,001	8.8402	8.0030	0.4958	−8.3214
3933*	2 Draconis	6	27 11,38	3,599	−0,1119	+0,023	9.2887	8.4475	0.5562	−9.2621
3934*	Hydræ	6	27 12,49	2,951	+0,0152	−0,055	8.8912	8.0498	0.4700	+8.6159
3935	Centauri	6	27 39,74	2,817	+0,0315	−0,020	9.0445	8.1969	0.4498	+8.9493
3936	Centauri	6	28 0,36	2,874	+0,0254	−0,002	8.9822	8.1299	0.4585	+8.8431
3937	Ursæ Majoris	6	28 23,57	3,171	−0,0190	−0,001	8.8763	8.0187	0.5012	−8.5565
3938	Centauri	6	28 40,53	2,877	+0,0258	.....	8.9845	8.1229	0.4589	+8.8473
3939	Centauri	6	28 45,48	2,750	+0,0395	−0,008	9.1270	8.2642	0.4393	+9.0665
3940	Leonis	7	28 52,27	3,093	−0,0054	+0,010	8.8231	7.9588	0.4903	−7.9054
3941	Centauri .....λ	4	28 53,66	2,728	+0,0418	−0,004	9.1510	8.2863	0.4358	+9.0977
3942	Ursæ Majoris	6	28 57,69	3,425	−0,0733	.....	9.1632	8.2976	0.5347	−9.1132
3943	21 Crateris .....θ	4	29 4,66	3,042	+0,0028	+0,001	8.8253	7.9580	0.4832	+8.0183
3944	Centauri	neb.	29 7,79	2,750	+0,0401	−0,054	9.1308	8.2628	0.4394	+9.0715
3945*	Hydræ	6	29 9,43	2,955	+0,0159	+0,015	8.8951	8.0267	0.4706	+8.6281
3946	91 Leonis ..... *υ*	4½	29 16,19	3,071	−0,0017	+0,003	8.8200	7.9500	0.4872	−4.6517
3947	Leonis	7	29 34,78	3,093	−0,0054	+0,004	8.8234	7.9490	0.4903	−7.9155
3948	Hydræ	6	29 35,27	2,959	+0,0155	−0,004	8.8924	8.0178	0.4712	+8.6185
3949	Ursæ Majoris	6	29 44,66	3,292	−0,0442	.....	9.0255	8.1486	0.5174	−8.9187
3950*	Centauri	6	30 5,71	2,764	+0,0401	−0,050	9.1272	8.2453	0.4415	+9.0667
3951	Centauri	6	30 19,43	2,886	+0,0262	−0,011	8.9858	8.1005	0.4603	+8.8493
3952	59 Ursæ Majoris	6	30 20,11	3,240	−0,0340	−0,011	8.9667	8.0812	0.5105	−8.8120
3953*	60 Ursæ Majoris	6	30 29,27	3,259	−0,0382	+0,001	8.9920	8.1042	0.5131	−8.8608
3954	1 Virginis .....*ω*	6½	30 43,38	3,098	−0,0064	0,000	8.8257	7.9344	0.4910	−8.0183
3955	Leonis	7	30 44,48	3,066	−0,0008	+0,008	8.8205	7.9290	0.4865	+7.2681
3956	24 Crateris ..... *ι*	5½	31 3,27	3,034	+0,0047	+0,009	8.8307	7.9344	0.4820	+8.1617
3957*	Chamæleontis ..π^1	6	31 5,15	2,440	+0,0638	−0,089	9.4094	8.5126	0.3873	+9.3945
3958	Centauri	6	31 8,51	2,768	+0,0413	.....	9.1348	8.2372	0.4421	+9.0767
3959*	Ursæ Majoris	6½	32 13,01	3,338	−0,0590	.....	9.1064	8.1921	0.5234	−9.0385
3960	Centauri	6	11 32 34,45	+2,735	+0,0472	+0,007	−9.1878	+8.2679	+0.4370	+9.1436

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
3916	92 10 35,4	+19,79	+0,073	+0,05	−9.6434	−8.5737	+1.2964	+9.2102	1576	89	ii.1352	....	....	M479,J262
3917	86 6 41,9	19,80	0,071	+0,11	9.6256	+8.8258	1.2968	9.1981	....	92	iii.1388			
3918	28 5 11,2	19,81	0,080	.....	8.8169	+9.9402	1.2968	9.1966	....	....	.....	....	....	B.F 1620
3919	74 48 2,1	19,81	0,071	+0,20	9.5773	+9.4132	1.2968	9.1943	1577	93	iii.1389			
3920	95 38 22,8	19,81	0,069	+0,14	9.6504	−8.9871	1.2969	9.1906	....	94	ii.1353	....	....	M480,A257
3921	118 26 26,0	19,82	0,066	+0,16	9.6574	−9.6727	1.2971	9.1841	....	95	iv. 767			
3922	118 26 23,4	19,82	0,066	−0,15	9.6574	−9.6727	1.2971	9.1841	1578	96	ii.1354	4770	3628	B.F 1624
3923	148 41 59,6	19,82	0,061	+1,66	9.5515	−9.9266	1.2971	9.1839	....	....	.....	4775	3633	R 245
3924	148 36 30,9	19,82	0,061	−1,30	9.5518	−9.9262	1.2971	9.1838	....	....	v.1973	4774	3631	R 244
3925	96 59 58,1	19,82	0,067	0,00	9.6523	−9.0808	1.2972	9.1801	....	98	ii.1355	....	....	M 481
3926	120 15 37,7	19,83	0,065	+0,05	9.6536	−9.6974	1.2973	9.1760	1579	99	iii.1390	4776	3638	B.F 1626
3927	129 36 40,2	19,83	0,064	−0,03	9.6334	−9.7996	1.2973	9.1760	....	101	iii.1391	4778	3640	
3928	121 1 39,2	19,83	0,064	+0,03	9.6522	−9.7073	1.2973	9.1743	1580	103	ii.1356	4779	3641	B.F 1627
3929	129 45 37,3	19,84	0,062	+0,08	9.6307	−9.8012	1.2975	9.1657	....	105	iii.1394	4785	3649	
3930	86 6 25,5	19,84	0,065	+0,13	9.6266	+8.8272	1.2976	9.1609	1582	106	ii.1357			
3931	34 23 10,2	19,85	0,071	.....	9.1000	+9.9120	1.2976	9.1596	....	....	.....	....	....	G 1800
3932	72 22 27,7	19,85	0,066	−0,01	9.5682	+9.4766	1.2977	9.1582	1583	109	ii.1358			
3933	19 50 33,4	19,85	0,075	+0,12	8.1173	+9.9690	1.2978	9.1543	1581	107	iii.1395	....	....	G 1802
3934	122 2 13,0	19,85	0,061	−0,82	9.6469	−9.7202	1.2978	9.1541	1584	110	iii.1396	4788	3652	B.F 1630
3935	143 26 2,8	19,86	0,058	−0,30	9.5700	−9.9005	1.2979	9.1481	....	....	v.1983	4794	3657	
3936	136 32 34,0	19,86	0,058	−0,13	9.6015	−9.8566	1.2980	9.1435	....	....	v.1985	4796	3660	
3937	61 23 23,7	19,87	0,064	+0,05	9.4986	+9.6761	1.2981	9.1382	....	111	ii.1359	....	....	B.H 900
3938	136 48 35,2	19,87	0,057	.....	9.5980	−9.8587	1.2982	9.1344	....	....	v.1988	....	3663	
3939	150 27 26,7	19,87	0,055	−0,16	9.5214	−9.9355	1.2982	9.1332	....	....	v.1990	4801	3665	
3940	83 3 29,0	19,87	0,061	+0,04	9.6174	+9.0783	1.2982	9.1316	....	113	iii.1397			
3941	152 11 24,0	19,87	0,054	0,00	9.5081	−9.9427	1.2982	9.1313	....	....	ii.1360	4804	3669	J264, R246
3942	26 58 29,1	19,87	0,068	.....	8.8837	+9.9460	1.2982	9.1304	....	....	.....	....	....	G 1804
3943	98 58 21,5	19,87	0,060	−0,01	9.6529	−9.1891	1.2983	9.1288	1585	114	ii.1361	....	....	J 265
3944	150 44 7,6	19,87	0,054	−1,84	9.5175	−9.9368	1.2983	9.1280	....	....	.....	4809	3672	
3945	122 44 17,5	19,87	0,058	+0,01	9.6411	−9.7291	1.2983	9.1277	1587	115	iii.1398	4800	3670	B.F 1633
3946	89 59 46,5	19,88	0,060	−0,01	9.6375	+5.8278	1.2983	9.1261	1586	116	ii.1362	....	....	M 482
3947	82 53 58,9	19,88	0,060	−0,07	9.6172	+9.0882	1.2984	9.1217	....	119	iii.1401			
3948	122 9 17,2	19,88	0,057	+0,07	9.6413	−9.7223	1.2984	9.1216	....	120	iii.1402	4808	3676	B.F 1635
3949	38 33 1,0	19,88	0,063	.....	9.2240	+9.8894	1.2984	9.1194	....	....	.....	....	....	G 1807
3950	150 27 11,7	19,88	0,052	+0,14	9.5148	−9.9358	1.2985	9.1143	....	....	v.1999	4816	3681	
3951	136 55 0,0	19,89	0,054	−0,13	9.5918	−9.8599	1.2986	9.1110	....	....	v.2002	4815	3684	R 247
3952	45 32 36,1	19,89	0,061	+0,08	9.3412	+9.8417	1.2986	9.1108	1588	122	iii.1404			
3953	42 20 4,3	19,89	0,061	+0,05	9.2954	+9.8652	1.2986	9.1086	1589	123	iii.1406			
3954	81 2 9,9	19,89	0,058	+0,05	9.6115	+9.1891	1.2987	9.1052	1590	125	ii.1363	....	....	M 483
3955	91 36 22,3	19,89	0,057	+0,04	9.6409	−8.4441	1.2987	9.1049	....	126	ii.1364	....	....	W 653
3956	102 22 35,2	19,90	0,056	−0,10	9.6541	−9.3276	1.2988	9.1002	1591	128	ii.1365			
3957	165 4 6,6	19,90	0,045	+0,08	9.3681	−9.9816	1.2988	9.0998	....	....	.....	4831	3691	R 248
3958	150 59 48,0	19,90	0,051	.....	9.5054	−9.9384	1.2988	9.0989	....	....	v.2007	....	3689	
3959	31 11 58,6	19,91	0,059	.....	9.0842	+9.9290	1.2990	9.0825	....	....	.....	....	....	B.F 1640
3960	154 33 53,1	+19,91	+0,048	−0,18	−9.4686	−9.9526	+1.2991	+9.0769	....	....	.....	4843	3703	R 249

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
3961	Centauri	6	11 32 38,27	+2,883	+0,0290	−0,013	−9.0097	+8.0887	+0.4599	+8.8917
3962	Leonis	7	32 42,88	3,076	−0,0024	+0,008	8.8210	7.8988	0.4879	−7.3141
3963	Hydræ	5½	32 45,88	2,964	+0,0170	−0,008	8.9018	7.9788	0.4719	+8.6484
3964	92 Leonis	5½	32 58,67	3,135	−0,0141	−0,002	8.8543	7.9279	0.4962	−8.4314
3965	61 Ursæ Majoris	6	33 8,46	3,180	−0,0238	+0,004	8.9078	7.9787	0.5025	−8.6669
3966*	62 Ursæ Majoris	6	33 45,23	3,168	−0,0217	−0,024	8.8954	7.9562	0.5008	−8.6265
3967	Centauri	6	33 49,47	2,793	+0,0428	−0,015	9.1391	8.1987	0.4460	+9.0820
3968	3 Draconis	6	34 3,34	3,437	−0,0904	−0,006	9.2397	8.2954	0.5361	−9.2055
3969*	Hydræ	6	34 15,56	2,978	+0,0158	+0,011	8.8912	7.9434	0.4740	+8.6113
3970	Leonis	7	34 18,88	3,106	−0,0085	+0,009	8.8327	7.8840	0.4921	−8.1888
3971	Virginis	7	34 27,16	3,085	−0,0044	−0,025	8.8233	7.8722	0.4893	−7.8109
3972*	Chamæleontis .. π^2	5½	35 38,92	2,563	+0,0698	−0,035	9.3918	8.4197	0.4087	+9.3755
3973	Ursæ Majoris	6	35 39,48	3,201	−0,0309	+0,001	8.9542	7.9820	0.5053	−8.7844
3974	Centauri	6	35 59,87	2,968	+0,0190	−0,002	8.9155	7.9372	0.4724	+8.6885
3975	Virginis	6½	36 15,47	3,056	+0,0016	+0,003	8.8238	7.8407	0.4852	+7.8317
3976	Centauri	6	36 23,26	2,816	+0,0446	−0,017	9.1451	8.1596	0.4496	+9.0897
3977	Chamæleontis	6	36 37,98	2,403	+0,0810	+0,022	9.5210	8.5309	0.3808	+9.5122
3978	27 Crateris ..... ζ	4	37 10,04	3,029	+0,0078	+0,004	8.8424	7.8422	0.4812	+8.3209
3979	2 Virginis ..... ξ	5	37 33,03	3,092	−0,0061	+0,005	8.8273	7.8197	0.4902	−8.0260
3980*	Centauri	6½	37 50,82	2,926	+0,0289	−0,011	8.9984	7.9850	0.4663	+8.8711
3981	63 Ursæ Majoris .. χ	4	38 6,77	3,215	−0,0381	−0,006	9.0016	7.9829	0.5072	−8.8768
3982	3 Virginis ..... ν	4½	38 9,00	3,087	−0,0052	+0,006	8.8255	7.8061	0.4896	−7.9337
3983	Centauri	6	38 20,18	2,945	+0,0260	+0,015	8.9714	7.9483	0.4691	+8.8198
3984	Muscæ	4½	38 34,44	2,792	+0,0532	0,000	9.2110	8.1830	0.4459	+9.1713
3985*	Ursæ Majoris	5½	38 52,07	3,256	−0,0515	.....	9.0797	8.0457	0.5127	−9.0007
3986	Centauri	5½	39 16,66	2,859	+0,0438	−0,028	9.1277	8.0852	0.4562	+9.0667
3987	Centauri	6	39 17,06	2,867	+0,0424	.....	9.1152	8.0725	0.4574	+9.0501
3988	Centauri	6	39 21,98	2,971	+0,0219	−0,144	8.9359	7.8915	0.4729	+8.7411
3989	4 Virginis ..... A^1	5½	40 12,71	3,089	−0,0059	+0,003	8.8278	7.7651	0.4898	−8.0258
3990	93 Leonis	4	40 14,66	3,115	−0,0129	−0,008	8.8523	7.7889	0.4935	−8.4077
3991	Muscæ	6	40 34,93	2,806	+0,0565	+0,045	9.2280	8.1571	0.4481	+9.1916
3992*	Leonis	6½	40 55,17	3,101	−0,0093	−0,009	8.8377	7.7591	0.4914	−8.2540
3993	Muscæ	6	41 4,37	2,823	+0,0549	+0,013	9.2128	8.1307	0.4507	+9.1735
3994	Hydræ	6	41 11,23	3,017	+0,0129	+0,009	8.8685	7.7837	0.4796	+8.5090
3995	94 Leonis ..... β	2½	41 24,33	3,101	−0,0094	−0,035	8.8384	7.7485	0.4914	−8.2628
3996*	Virginis	6	41 25,51	3,082	−0,0043	.....	8.8249	7.7346	0.4888	−7.8461
3997*	Leonis	6	41 29,42	3,104	−0,0103	.....	8.8421	7.7503	0.4919	−8.3100
3998	Ursæ Majoris	6	41 53,50	3,147	−0,0236	−0,005	8.9133	7.8119	0.4978	−8.6801
3999*	Centauri	6	42 0,92	2,965	+0,0270	.....	8.9749	7.8705	0.4720	+8.8261
4000	Centauri	6	42 24,08	2,870	+0,0497	−0,038	9.1650	8.0512	0.4578	+9.1147
4001	Muscæ	6	42 48,41	2,804	+0,0645	−0,016	9.2762	8.1522	0.4478	+9.2475
4002	5 Virginis ..... β	3½	42 52,98	3,075	−0,0024	+0,053	8.8232	7.6972	0.4879	−7.4816
4003	Hydræ	6	43 3,38	3,022	+0,0134	−0,004	8.8707	7.7403	0.4802	+8.5194
4004	Centauri	6	43 8,50	2,887	+0,0479	−0,001	9.1485	8.0159	0.4605	+9.0937
4005*	Leonis	6	11 43 15	+3,093	−0,0080	.....	−8.8342	+7.6988	+0.4904	−8.1901

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
3961	139 39 22,1	+19,91	+0,050	+0,09	−9.5702	−9.8790	+1.2991	+9.0759	....	....	v.2013	4841	3702	
3962	88 12 59,8	19,91	0,053	+0,07	9.6336	+8.4900	1.2991	9.0747	....	132	iii.1410			
3963	123 54 47,2	19,91	0,051	−0,02	9.6297	−9.7435	1.2992	9.0739	1594	133	iii.1411	4839	3705	B.F 1643
3964	67 48 45,0	19,92	0,054	−0,01	9.5532	+9.5741	1.2992	9.0705	1592	134	ii.1366			
3965	54 57 8,2	19,92	0,054	+0,46	9.4595	+9.7561	1.2992	9.0679	1593	135	iii.1412			
3966	57 25 24,8	19,92	0,053	−0,03	9.4832	+9.7283	1.2994	9.0579	1596	138	iii.1414	....	....	A 260
3967	151 15 29,0	19,92	0,046	0,00	9.4894	−9.9401	1.2994	9.0568	....	....	v.2018	4856	3715	R 251
3968	22 25 30,9	19,93	0,057	−0,05	8.7860	+9.9631	1.2994	9.0529	1595	139	iii.1415			
3969	121 39 54,6	19,93	0,049	−0,01	9.6317	−9.7174	1.2995	9.0495	1597	141	iii.1416	4857	3721	B.F 1646
3970	76 52 39,5	19,93	0,051	+0,10	9.5990	+9.3534	1.2995	9.0486	....	140	iii.1417			
3971	84 25 21,0	19,93	0,050	−0,01	9.6244	+8.9849	1.2995	9.0463	....	144	iii.1418	....	....	M 484
3972	164 23 52,1	19,94	0,040	+0,25	9.3401	−9.9812	1.2998	9.0255	....	....	.....	4866	3733	R 252
3973	47 26 41,4	19,94	0,050	0,00	9.3945	+9.8277	1.2998	9.0254	....	146	iii.1420	....	....	G 1821
3974	126 21 23,1	19,95	0,045	−0,01	9.6144	−9.7705	1.2998	9.0193	....	....	v.2024	4863	3734	
3975	95 50 38,6	19,95	0,046	+0,15	9.6456	−9.0055	1.2999	9.0146	....	148	ii.1367	....	....	W 654
3976	151 39 18,9	19,95	0,042	−0,42	9.4720	−9.9422	1.2999	9.0122	....	....	v.2027	4868	3739	R 253
3977	168 28 25,1	19,95	0,036	−0,06	9.2705	−9.9889	1.3000	9.0077	....	....	.....	4874	3741	
3978	107 30 58,5	19,96	0,044	+0,01	9.6471	−9.4764	1.3001	8.9977	1598	150	ii.1368	....	....	J 266
3979	80 54 30,1	19,96	0,044	+0,04	9.6160	+9.1966	1.3001	8.9903	1599	151	ii.1369	....	....	M 485
3980	138 14 12,7	19,96	0,041	−0,07	9.5575	−9.8707	1.3002	8.9846	....	....	v.2032	4876	3748	
3981	41 23 19,7	19,96	0,045	−0,02	9.3333	+9.8732	1.3002	8.9793	1600	152	ii.1370			
3982	82 37 47,5	19,96	0,043	+0,20	9.6214	+9.1062	1.3002	8.9786	1601	153	ii.1371	....	....	M 486
3983	134 51 27,8	19,97	0,041	+0,10	9.5731	−9.8465	1.3003	8.9749	....	154	iii.1423	4878	3750	
3984	155 53 52,1	19,97	0,038	+0,06	9.4190	−9.9585	1.3003	8.9701	....	....	.....	4883	3756	R 254
3985	33 32 14,2	19,97	0,044	.....	9.2125	+9.9191	1.3004	8.9642	....	....	.....	....	....	B.F 1652
3986	150 20 38,6	19,97	0,038	−0,13	9.4672	−9.9373	1.3004	8.9557	....	....	v.2038	4885	3763	R 255
3987	149 23 19,3	19,97	0,038	.....	9.4752	−9.9330	1.3004	8.9555	....	....	v.2039	....	3764	
3988	129 41 5,1	19,97	0,039	−0,35	9.5926	−9.8034	1.3005	8.9538	....	....	v.2041	4887	3766	
3989	80 55 17,6	19,98	0,039	+0,02	9.6179	+9.1964	1.3006	8.9357	1602	158	ii.1372	....	....	M 487
3990	68 56 49,3	19,98	0,039	0,00	9.5730	+9.5538	1.3006	8.9350	1603	159	ii.1373			
3991	156 51 42,4	19,98	0,035	+0,19	9.3950	−9.9620	1.3007	8.9275	....	....	.....	4896	3775	
3992	74 53 2,7	19,99	0,038	+0,16	9.5991	+9.4148	1.3007	8.9199	1604	160	iii.1426	....	....	B.F 1655
3993	155 58 54,2	19,99	0,034	+0,20	9.4012	−9.9592	1.3007	8.9164	....	....	.....	4899	3778	R 256
3994	115 55 0,8	19,99	0,036	+0,12	9.6295	−9.6391	1.3008	8.9138	....	151	ii.1374	4898	3779	W 655
3995	74 35 21,8	19,99	0,037	+0,10	9.5987	+9.4230	1.3008	8.9087	1605	163	ii.1375	....	3780	M 488
3996	83 58 21,1	19,99	0,036	.....	9.6264	+9.0198	1.3008	8.9083	....	....	.....	....	....	B.F 1656
3997	72 55 15,9	19,99	0,037	.....	9.5923	+9.4665	1.3008	8.9068	....	....	.....	....	....	B.F 1658
3998	54 14 5,3	19,99	0,036	+0,03	9.4857	+9.7654	1.3009	8.8972	....	164	iii.1428	....	....	B.H 1515
3999	135 14 8,2	19,99	0,034	.....	9.5579	−9.8499	1.3009	8.8943	....	....	v.2049	....	3785	
4000	152 57 41,2	20,00	0,032	+0,92	9.4242	−9.9485	1.3009	8.8849	....	....	.....	4903	3787	
4001	159 23 29,1	20,00	0,031	−0,11	9.3481	−9.9701	1.3010	8.8748	....	....	.....	4907	3792	
4002	87 23 23,0	20,00	0,034	+0,28	9.6336	+8.6572	1.3010	8.8728	1606	166	ii.1376	....	3791	M 489
4003	116 26 34,8	20,00	0,033	−0,19	9.6248	−9.6475	1.3010	8.8684	....	....	v.2053	4905	3793	
4004	151 48 54,4	20,00	0,031	+0,02	9.4310	−9.9440	1.3010	8.8662	....	....	v.2054	4908	3794	
4005	76 53	+20,00	+0,033	.....	−9.6085	+9.3547	+1.3011	+8.8634	....	....	.....	....	....	A

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4006	Virginis	6	11 43 22,37	+3,063	+0,0014	+0,011	−8.8241	+7.6855	+0.4862	+7.7187
4007	Centauri	5½	43 40,16	2,978	+0,0264	+0,001	8.9684	7.8219	0.4739	+8.8128
4008	Centauri	6	43 43,68	2,982	+0,0254	+0,003	8.9594	7.8114	0.4745	+8.7940
4009*	Hydræ	6	44 7,35	3,017	+0,0157	+0,006	8.8853	7.7266	0.4796	+8.5841
4010*	Ursæ Majoris	6½	44 18,96	3,144	−0,0260	+0,344	8.9311	7.7671	0.4975	−8.7281
4011	Centauri	6	44 32,71	2,883	+0,0536	−0,024	9.1869	8.0164	0.4598	+9.1419
4012*	Leonis	8	44 46,54	3,097	−0,0099	+0,010	8.8416	7.6646	0.4910	−8.2997
4013	Centauri	5½	44 46,93	2,938	+0,0397	−0,002	9.0771	7.8999	0.4681	+8.9965
4014	Leonis	7	45 2,76	3,096	−0,0097	+0,019	8.8407	7.6559	0.4908	−8.2883
4015	Hydræ	4	45 20,77	3,015	+0,0179	−0,001	8.8998	7.7061	0.4793	+8.6368
4016	Hydræ	5½	45 53,18	3,015	+0,0187	−0,027	8.9057	7.6957	0.4792	+8.6558
4017	64 Ursæ Majoris .. γ	2	45 54,97	3,186	−0,0458	+0,016	9.0594	7.8484	0.5032	−8.9703
4018*	Ursæ Majoris	7	46 1,99	3,143	−0,0286	.....	8.9503	7.7358	0.4974	−8.7737
4019	Virginis	7	46 10,27	3,073	−0,0015	+0,012	8.8233	7.6044	0.4875	−7.2071
4020	Virginis	7	46 12,76	3,067	+0,0007	+0,018	8.8237	7.6035	0.4866	+7.5337
4021	Virginis	7	46 23,30	3,079	−0,0038	+0,017	8.8253	7.5995	0.4883	−7.8233
4022	Centauri	6	46 43,72	2,953	+0,0409	0,000	9.0822	7.8454	0.4703	+9.0037
4023	Centauri	6	46 55,54	3,013	+0,0208	−0,016	8.9204	7.6771	0.4790	+8.6990
4024	Hydræ	6	47 5,01	3,036	+0,0128	+0,007	8.8655	7.6170	0.4823	+8.4896
4025	Virginis	7	47 10,05	3,070	−0,0004	+0,013	8.8233	7.5718	0.4871	+6.8475
4026	65 Ursæ Majoris	7	47 16,68	3,151	−0,0348	+0,006	8.9920	7.7368	0.4985	−8.8583
4027	6 Virginis ..... A²	6	47 21,26	3,083	−0,0056	−0,002	8.8290	7.5712	0.4889	−8.0364
4028*	Ursæ Majoris	7	47 22,31	3,150	−0,0348	+0,002	8.9920	7.7335	0.4984	−8.8582
4029	Virginis	8	47 43,56	3,073	−0,0017	−0,009	8.8235	7.5528	0.4876	−7.3516
4030	Virginis	7	47 46,69	3,065	+0,0015	+0,007	8.8245	7.5519	0.4865	+7.6994
4031	95 Leonis ..... o	6½	47 57,14	3,091	−0,0096	0,000	8.8415	7.5627	0.4902	−8.2944
4032	Hydræ	6	48 3,16	3,034	+0,0145	+0,006	8.8759	7.5934	0.4820	+8.5424
4033	66 Ursæ Majoris	6	48 6,41	3,179	−0,0506	+0,003	9.0923	7.8078	0.5023	−9.0180
4034	Centauri	6	48 18,88	3,016	+0,0225	−0,010	8.9320	7.6398	0.4794	+8.7294
4035	30 Crateris ..... η	6	48 22,63	3,051	+0,0080	−0,001	8.8412	7.5467	0.4844	+8.2898
4036	Ursæ Majoris	6	49 1,44	3,193	−0,0622	.....	9.1574	7.8379	0.5042	−9.1048
4037	Hydræ	6	49 26,65	3,031	+0,0180	−0,052	8.8974	7.5610	0.4817	+8.6274
4038	Centauri	6½	49 31,30	2,994	+0,0348	+0,072	9.0270	7.6874	0.4763	+8.9191
4039	Virginis	7	50 32,64	3,075	−0,0028	+0,004	8.8248	7.4405	0.4878	−7.7014
4040*	Centauri	6	50 41,04	2,992	+0,0407	−0,035	9.0702	7.6795	0.4759	+8.9862
4041*	Crucis	6	51 15,44	2,968	+0,0554	.....	9.1741	7.7558	0.4725	+9.1259
4042	Hydræ	6	51 16,41	3,047	+0,0133	0,000	8.8666	7.4475	0.4838	+8.4938
4043	Virginis	6½	51 22,83	3,072	−0,0012	−0,017	8.8237	7.3993	0.4874	−7.2008
4044	Centauri	6	51 35,51	3,010	+0,0347	−0,007	9.0235	7.5882	0.4786	+8.9131
4045	Centauri	6½	51 49,61	2,999	+0,0422	−0,001	9.0798	7.6322	0.4770	+9.0001
4046*	Hydræ	6	51 54,17	3,038	+0,0196	.....	8.9075	7.4558	0.4826	+8.6604
4047	Centauri	6	51 58,05	3,022	+0,0293	+0,010	8.9803	7.5251	0.4804	+8.8357
4048	Chamæleontis .. ε	5	52 14,93	2,869	+0,1154	−0,039	9.4845	8.0138	0.4577	+9.4739
4049	7 Virginis..... b	5½	52 16,05	3,074	−0,0027	+0,004	8.8250	7.3533	0.4877	−7.7187
4050	Ursæ Minoris	6	11 52 20,94	+3,376	−0,2454	.....	−9.6637	+8.1874	+0.5284	−9.6592

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4006	94 29 59,0	+20,00	+0,032	+0,10	−9.6418	−8.8935	+1.3011	+8.8603	....	167	ii.1377	....	....	W 656
4007	134 20 18,9	20,00	0,031	+0,10	9.5565	−9.8433	1.3011	8.8525	....	168	iii.1429	4910	3796	R 257
4008	133 5 58,5	20,00	0,031	+0,34	9.5628	−9.8335	1.3011	8.8509	....	....	v.2056	4911	3799	
4009	119 59 21,4	20,01	0,031	+0,44	9.6133	−9.6978	1.3012	8.8403	....	....	v.2058	4913	3802	
4010	51 12 17,0	20,01	0,031	+5,70	9.4704	+9.7959	1.3012	8.8350	....	....	.....	....	....	G 1830
4011	154 22 11,0	20,01	0,028	−0,21	9.3953	−9.9540	1.3012	8.8285	....	....	.....	4920	3804	R 258
4012	73 18 50,6	20,01	0,030	+0,07	9.5984	+9.4571	1.3013	8.8220	....	169	iv. 778	....	....	Z 789
4013	146 9 16,6	20,01	0,028	0,00	9.4725	−9.9184	1.3013	8.8219	....	....	v.2062	4922	3807	
4014	73 43 32,4	20,01	0,029	+0,02	9.6002	+9.4466	1.3013	8.8143	....	170	iii.1430	....	....	Z 790
4015	123 4 24,9	20,01	0,028	+0,03	9.6005	−9.7361	1.3013	8.8055	1607	172	ii.1378	4923	3811	B.F 1660
4016	124 13 49,7	20,02	0,027	+0,02	9.5948	−9.7493	1.3014	8.7892	....	175	iii.1432	4926	3813	
4017	35 28 16,9	20,02	0,029	+0,02	9.3049	+9.9100	1.3014	8.7882	1608	174	ii.1379			
4018	48 14 57,5	20,02	0,028	.....	9.4521	+9.8226	1.3014	8.7846	....	....	.....	....	....	B.F 1662
4019	88 36 47,7	20,02	0,027	+0,06	9.6358	+8.3830	1.3014	8.7803	....	178	iii.1434			
4020	92 56 23,3	20,02	0,027	+0,06	9.6400	−8.7092	1.3014	8.7791	....	179	iii.1435			
4021	84 17 15,1	20,02	0,027	+0,08	9.6293	+8.9972	1.3015	8.7735	....	180	iv. 781			
4022	146 34 31,9	20,02	0,025	−0,04	9.4583	−9.9208	1.3015	8.7625	....	....	v.2064	4931	3819	R 260
4023	126 55 0,9	20,02	0,025	−0,06	9.5812	−9.7779	1.3015	8.7560	....	....	v.2065	4932	3820	
4024	114 53 3,6	20,02	0,025	+0,36	9.6206	−9.6234	1.3015	8.7507	....	....	v.2067	4933	3822	
4025	90 36 21,1	20,02	0,025	+0,47	9.6380	−8.0235	1.3015	8.7479	....	182	iv. 782			
4026	42 41 17,9	20,02	0,026	+0,02	9.4038	+9.8657	1.3016	8.7442	1609	183	iv. 783	....	....	G 1833
4027	80 43 20,9	20,03	0,025	+0,02	9.6226	+9.2068	1.3016	8.7415	1611	185	ii.1380	....	....	M 490
4028	42 41 42,4	20,03	0,025	−0,05	9.4045	+9.8656	1.3016	8.7409	1610	184	iii.1437	....	....	G 1834
4029	88 4 0,3	20,03	0,024	0,00	9.6354	+8.5275	1.3016	8.7286	....	187	iv. 785	....	....	M 491
4030	94 17 56,8	20,03	0,024	+0,01	9.6402	−8.8742	1.3016	8.7268	....	188	iii.1438			
4031	73 31 2,4	20,03	0,024	−0,06	9.6034	+9.4523	1.3016	8.7205	1613	189	iii.1439			
4032	117 38 23,2	20,03	0,023	−0,02	9.6113	−9.6658	1.3016	8.7169	1614	191	ii.1381	4940	3832	B.F 1667
4033	32 33 59,4	20,03	0,024	+0,02	9.2785	+9.9251	1.3016	8.7149	1612	190	iii.1440			
4034	128 51 11,0	20,03	0,022	−0,01	9.5681	−9.7969	1.3017	8.7073	....	....	v.2070	4941	3834	
4035	106 18 54,3	20,03	0,023	−0,02	9.6342	−9.4480	1.3017	8.7050	1615	193	ii.1382			
4036	27 36 50,2	20,03	0,022	.....	9.2006	+9.9470	1.3017	8.6801	....	....	.....	....	....	G 1838
4037	122 29 14,6	20,03	0,020	+1,74	9.5920	−9.7296	1.3018	8.6631	....	....	v.2073	4945	3839	
4038	141 15 39,2	20,03	0,020	−0,84	9.4876	−9.8917	1.3018	8.6599	....	....	v.2074	4944	3840	
4039	85 41 1,2	20,04	0,019	+0,07	9.6331	+8.8762	1.3019	8.6154	1616	203	ii.1383	....	....	M 492
4040	145 28 58,9	20,04	0,018	+0,36	9.4462	−9.9156	1.3019	8.6089	....	....	v.2080	4959	3849	R 261
4041	153 30 16,1	20,04	0,017	.....	9.3574	−9.9515	1.3019	8.5813	....	....	.....	4963	3854	R 262
4042	115 4 31,0	20,04	0,017	+0,44	9.6119	−9.6269	1.3019	8.5806	....	....	v.2083	4961	3853	
4043	88 38 5,2	20,04	0,017	−0,06	9.6364	+8.3768	1.3019	8.5752	....	207	iii.1449	....	....	M493, A267
4044	140 51 41,9	20,04	0,016	+0,06	9.4804	−9.8894	1.3019	8.5644	....	....	v.2084	4966	3856	
4045	146 19 55,1	20,04	0,016	−0,03	9.4319	−9.9200	1.3019	8.5521	....	....	v.2086	4969	3859	R 263
4046	124 28 29,1	20,04	0,016	.....	9.5773	−9.7526	1.3020	8.5480	....	....	v.2087	....	3860	
4047	135 47 51,6	20,04	0,015	+0,03	9.5155	−9.8552	1.3020	8.5446	....	....	v.2089	4971	3862	
4048	167 23 13,0	20,04	0,014	+0,06	9.1065	−9.9891	1.3020	8.5291	....	....	ii.1384	4974	3865	J268, R264
4049	85 30 34,5	20,04	0,015	+0,04	9.6335	+8.8935	1.3020	8.5280	1617	208	ii.1385	....	....	M 494
4050	8 18 35,4	+20,04	+0,016	.. ...	−8.4728	+9.9952	+1.3020	+8.5235	....	....	.....	....	....	G 1845

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4051	Chamæleontis	7	11 52 38,67	+2,879	+0,1160	−0,098	−9.4833	+7.9899	+0.4593	+9.4726
4052	8 Virginis .....π	5	53 11,24	3,076	−0,0043	+0,003	8.8274	7.3006	0.4880	−7.9403
4053	31 Crateris	5½	53 11,38	3,057	+0,0097	+0,001	8.8476	7.3207	0.4853	+8.3563
4054	Virginis	7	53 21,33	3,070	+0,0001	+0,005	8.8238	7.2862	0.4871	+7.0334
4055	Virginis	7	53 30,22	3,074	−0,0027	+0,015	8.8251	7.2777	0.4876	−7.7165
4056	1 Comæ	6	54 2,96	3,085	−0,0131	−0,002	8.8595	7.2740	0.4893	−8.4502
4057	67 Ursæ Majoris	5½	54 28,83	3,102	−0,0296	−0,028	8.9660	7.3477	0.4916	−8.8068
4058*	Octantis	6	54 41,24	2,725	+0,2578	−0,216	9.8732	8.2383	0.4353	+9.8714
4059	Ursæ Majoris	7	54 52,27	3,099	−0,0296	−0,017	8.9664	7.3163	0.4913	−8.8077
4060	Muscæ	6	55 0,98	2,997	+0,0713	+0,010	9.2570	7.5944	0.4767	+9.2252
4061*	Crucis .....θ¹	5½	55 27,26	3,020	+0,0551	+0,017	9.1591	7.4566	0.4800	+9.1069
4062	Centauri	5½	55 55,05	3,050	+0,0259	+0,041	8.9500	7.2008	0.4842	+8.7721
4063	Virginis	7	55 55,69	3,069	+0,0022	+0,007	8.8253	7.0750	0.4870	+7.7336
4064	Virginis	7	56 4,79	3,073	−0,0036	−0,019	8.8266	7.0597	0.4876	−7.8735
4065	Chamæleontis	7	56 21,65	2,976	+0,1250	.....	9.4846	7.6855	0.4736	+9.4740
4066	2 Comæ	6	56 35,46	3,079	−0,0125	+0,007	8.8576	7.0301	0.4884	−8.4367
4067	Crucis .....θ²	5½	56 39,30	3,033	+0,0553	+0,024	9.1570	7.3212	0.4819	+9.1043
4068	Muscæ	6	56 57,76	3,028	+0,0698	−0,031	9.2409	7.3633	0.4811	+9.2065
4069	Virginis	7	57 2,61	3,072	−0,0025	+0,011	8.8252	6.9358	0.4874	−7.7109
4070	Ursæ Minoris	6	57 6,66	3,340	−0,5606	.....	0.0281	8.1287	0.5237	−0.0273
4071	Chamæleontis ..χ	5½	57 8,30	3,005	+0,1118	−0,030	9.4308	7.5271	0.4779	+9.4171
4072	9 Virginis ..... o	4½	57 34,17	3,073	−0,0051	−0,009	8.8300	6.8554	0.4876	−8.0506
4073	Crucis	6	57 40,28	3,045	+0,0554	−0,027	9.1543	7.1613	0.4836	+9.1008
4074	Ursæ Majoris	6	58 3,25	3,094	−0,0617	.....	9.1785	7.1074	0.4905	−9.1313
4075	Muscæ	6	58 9,52	3,048	+0,0621	+0,019	9.1933	7.0982	0.4840	+9.1495
4076	Centauri	6	58 17,09	3,057	+0,0398	−0,020	9.0487	6.9230	0.4853	+8.9535
4077	Virginis	7	58 19,15	3,070	+0,0011	+0,001	8.8243	6.6897	0.4872	+7.4270
4078	Crucis .....η	4½	59 5,65	3,060	+0,0601	−0,019	9.1786	6.7754	0.4857	+9.1315
4079	Virginis	7	59 31,35	3,071	−0,0055	+0,008	8.8312	6.1503	0.4873	−8.0918
4080	Virginis	7	59 34,87	3,070	+0,0031	+0,019	8.8262	6.0882	0.4872	+7.8405
4081	Virginis	7	11 59 56,46	3,071	−0,0076	+0,013	8.8377	+5.2475	0.4872	−8.2319
4082	Chamæleontis ..λ	6	12 0 0,50	3,071	+0,1079	−0,040	9.3978	−4.9865	0.4873	+9.3818
4083	Virginis	7	0 19,81	3,071	−0,0008	−0,008	8.8241	5.9824	0.4872	−7.2296
4084	Centauri	6½	0 20,05	3,073	+0,0355	−0,010	9.0152	6.1793	0.4876	+8.8990
4085	Centauri	6	0 20,34	3,073	+0,0354	−0,005	9.0143	6.1842	0.4876	+8.8974
4086	Centauri	6	0 30,05	3,074	+0,0331	−0,001	8.9972	6.3369	0.4877	+8.8673
4087	Centauri .....δ	3	0 36,54	3,075	+0,0356	−0,005	9.0148	6.4392	0.4878	+8.8984
4088	Hydræ	6½	0 36,71	3,073	+0,0201	−0,009	8.9045	6.3312	0.4876	+8.6503
4089	Crucis	6	0 37,90	3,077	+0,0519	.....	9.1251	6.5658	0.4881	+9.0627
4090	1 Corvi.....α	4½	0 41,27	3,072	+0,0132	+0,010	8.8628	6.3401	0.4875	+8.4703
4091	Centauri	6	1 9,28	3,077	+0,0285	−0,007	8.9633	6.6655	0.4881	+8.8010
4092	Centauri	6	1 10,47	3,076	+0,0256	+0,010	8.9422	6.6518	0.4881	+8.7538
4093*	Centauri	6	1 59,68	3,085	+0,0372	.....	9.0246	6.9642	0.4892	+8.9147
4094	10 Virginis	6	2 0,11	3,070	−0,0013	+0,004	8.8244	6.7657	0.4871	−7.5039
4095	Hydræ	6	12 2 18,65	+3,080	+0,0203	−0,003	−8.9047	−6.9083	+0.4885	+8.6507

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4051	167 21 5,1	+20,05	+0,014	−0,86	−9.1014	−9.9891	+1.3020	+8.5064	....	....	.....	4975	3871	R 265
4052	82 32 56,6	20,05	0,013	+0,05	9.6298	+9.1127	1.3020	8.4730	1618	211	ii.1386	....	....	M 495
4053	108 49 23,5	20,05	0,013	−0,04	9.6237	−9.5085	1.3020	8.4729	1619	212	ii.1387			
4054	90 55 41,5	20,05	0,013	−0,13	9.6379	−8.2094	1.3020	8.4622	....	213	ii.1388	....	....	M 496
4055	85 31 59,7	20,05	0,013	+0,22	9.6339	+8.8913	1.3021	8.4525	....	214	iii.1451			
4056	67 4 10,2	20,05	0,012	+0,02	9.5906	+9.5905	1.3021	8.4144	1620	216	ii.1389			
4057	46 7 21,2	20,05	0,011	−0,02	9.4714	+9.8407	1.3021	8.3816	1621	217	iii.1452			
4058	174 52 45,8	20,05	0,009	+0,24	8.7910	−9.9981	1.3021	8.3651	....	....	.....	4991	3884	
4059	46 3 36,5	20,05	0,010	+0,58	9.4728	+9.8412	1.3021	8.3498	....	218	iii.1453			
4060	158 21 22,3	20,05	0,010	+0,02	9.2560	−9.9682	1.3021	8.3373	....	....	.....	4985	3886	R 266
4061	152 28 41,3	20,05	0,009	+0,05	9.3387	−9.9478	1.3021	8.2974	....	....	.....	4990	3892	R 267
4062	131 35 33,7	20,05	0,008	+0,07	9.5269	−9.8220	1.3022	8.2507	....	220	iii.1455	4992	3894	
4063	94 38 40,2	20,05	0,008	+0,12	9.6374	−8.9083	1.3022	8.2496	....	221	iii.1456			
4064	83 36 10,5	20,05	0,008	+0,09	9.6329	+9.0469	1.3022	8.2331	....	222	ii.1390	....	....	M497, A270
4065	167 23 8,6	20,05	0,007	.....	9.0426	−9.9893	1.3022	8.2008	....	....	.....	....	....	R 268
4066	67 42 16,2	20,05	0,007	−0,01	9.5976	+9.5790	1.3022	8.1724	1622	224	ii.1391			
4067	152 19 49,6	20,05	0,007	+0,08	9.3312	−9.9472	1.3022	8.1641	....	....	.....	4999	3901	R 269
4068	157 29 27,6	20,05	0,006	−0,22	9.2512	−9.9656	1.3022	8.1224	....	....	.....	5000	3902	
4069	85 35 28,9	20,05	0,006	+0,14	9.6352	+8.8857	1.3022	8.1106	....	227	iii.1459			
4070	3 34 57,3	20,05	0,006	.....	8.1614	+9.9991	1.3022	8.1005	....	....	.....	....	....	G 1850
4071	165 41 7,1	20,05	0,006	−0,04	9.0770	−9.9863	1.3022	8.0963	....	....	.....	5004	3907	
4072	80 26 2,4	20,05	0,005	0,00	9.6295	+9.2206	1.3022	8.0254	1623	228	ii.1392	....	....	M 498
4073	152 8 23,9	20,05	0,005	−0,05	9.3259	−9.9465	1.3022	8.0070	....	....	.....	5009	3912	
4074	26 13 39,5	20,05	0,004	.....	9.2653	+9.9528	1.3022	7.9289	....	....	.....	....	....	G 1853
4075	154 42 33,1	20,06	0,004	−0,22	9.2849	−9.9562	1.3022	7.9049	....	....	.....	5012	3915	
4076	143 25 25,5	20,06	0,003	+0,22	9.4226	−9.9047	1.3022	7.8742	....	....	v.2111	5014	3916	
4077	92 17 45,2	20,06	0,003	+0,08	9.6374	−8.6027	1.3022	7.8654	....	230	ii.1393	....	....	M 499
4078	153 46 38,6	20,06	0,002	+0,18	9.2905	−9.9528	1.3022	7.5967	....	....	ii.1394	5023	3923	J269, R270
4079	79 30 5,9	20,06	0,001	+0,02	9.6297	+9.2606	1.3022	7.3190	....	236	iii.1465			
4080	95 55 53,5	20,06	+0,001	+0,08	9.6353	−9.0143	1.3022	7.2619	....	237	iii.1466			
4081	75 38 53,2	20,06	0,000	+0,07	9.6236	+9.3942	1.3022	+6.4099	....	238	iii.1467			
4082	164 31 49,0	20,06	0,000	−0,12	9.0637	−9.9840	1.3022	−5.5887	....	....	.....	5028	3927	R 271
4083	88 32 31,8	20,06	−0,001	+0,07	9.6373	+8.4055	1.3022	7.1583	....	239	iii.1468	....	....	M 500
4084	139 55 43,6	20,06	0,001	+0,09	9.4445	−9.8838	1.3022	7.1641	....	....	v.2116	5030	3928	
4085	139 49 34,4	20,06	0,001	0,00	9.4455	−9.8831	1.3022	7.1699	....	....	v.2117	5029	3930	
4086	137 51 22,3	20,06	0,001	−0,07	9.4618	−9.8701	1.3022	7.3398	....	....	v.2118	5031	3932	R 272
4087	139 53 14,1	20,06	0,001	+0,09	9.4434	−9.8835	1.3022	7.4244	....	....	v.2120	5033	3934	J 270
4088	123 50 20,8	20,06	0,001	−0,07	9.5550	−9.7457	1.3022	7.4267	....	240	iv. 795	5034	3935	
4089	150 0 45,9	20,06	0,001	.....	9.3314	−9.9376	1.3022	7.4407	....	....	v.2121	....	3937	
4090	113 53 28,0	20,06	0,001	+0,04	9.5973	−9.6075	1.3022	7.4773	1624	241	ii.1396	5035	....	J 271
4091	133 29 20,4	20,06	0,002	+0,21	9.4932	−9.8377	1.3022	7.7022	....	243	v.2122	5036	3938	
4092	130 23 47,3	20,06	0,002	+0,03	9.5148	−9.8116	1.3022	7.7097	....	....	v.2123	5037	3939	
4093	140 56 58,7	20,05	0,004	.....	9.4259	−9.8902	1.3022	7.9396	....	....	v.2124	....	3942	
4094	87 15 35,5	20,05	0,004	+0,23	9.6374	+8.6795	1.3022	7.9413	1625	246	ii.1397	....	....	M 501?
4095	123 52 7,5	+20,05	−0,005	+0,03	−9.5499	−9.7461	+1.3022	−8.0036	....	247	iii.1472	5043	3943	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4096	11 Virginis	6	12 2 24,72	+3,069	−0,0034	−0,008	−8.8268	−6.8491	+0.4870	−7.8900
4097	2 Corvi ..... ε	4	2 25,25	3,076	+0,0122	+0,001	8.8561	6.8799	0.4880	+8.4256
4098	Centauri	6	2 48,08	3,083	+0,0228	+0,006	8.9217	7.0089	0.4890	+8.7015
4099	3 Comæ	6½	2 52,95	3,065	−0,0093	+0,005	8.8448	6.9444	0.4865	−8.3264
4100	Comæ	6½	3 8,95	3,061	−0,0157	+0,015	8.8784	7.0164	0.4858	−8.5517
4101*	3 Corvi	6	3 20,79	3,079	+0,0128	−0,003	8.8591	7.0236	0.4884	+8.4468
4102	Centauri	6	3 39,24	3,091	+0,0289	.....	8.9629	7.1656	0.4901	+8.8003
4103	Centauri ..... ρ	4	3 50,15	3,099	+0,0385	−0,009	9.0300	7.2537	0.4912	+8.9238
4104	Virginis	6½	3 59,60	3,069	−0,0024	−0,005	8.8254	7.0666	0.4869	−7.7560
4105	Crucis	6	4 3,62	3,118	+0,0625	−0,044	9.1770	7.4253	0.4939	+9.1294
4106	Ursæ Minoris	6	4 9,63	2,885	−0,2003	.....	9.7107	7.9698	0.4602	−9.7070
4107	4 Comæ	6	4 14,20	3,058	−0,0147	−0,001	8.8728	7.1397	0.4855	−8.5255
4108	68 Ursæ Majoris	6	4 14,66	3,031	−0,0461	−0,001	9.0983	7.3660	0.4816	−9.0262
4109	Crucis	6	4 18,89	3,119	+0,0597	.....	9.1612	7.4360	0.4941	+9.1096
4110	5 Comæ	6	4 31,25	3,060	−0,0114	+0,002	8.8548	7.1499	0.4858	−8.4165
4111*	Draconis	7½	4 41,93	2,939	−0,1311	+0,025	9.5159	7.8278	0.4681	−9.5067
4112*	Draconis	5	5 6,35	2,925	−0,1319	+0,011	9.5223	7.8702	0.4661	−9.5134
4113	Centauri	6	5 38,39	3,096	+0,0241	+0,012	8.9278	7.3190	0.4909	+8.7181
4114	12 Virginis	6	5 47,58	3,064	−0,0055	−0,004	8.8320	7.2348	0.4863	−8.1164
4115	Centauri	5½	6 13,35	3,107	+0,0308	−0,011	8.9734	7.4073	0.4923	+8.8221
4116	Virginis	7	6 16,32	3,069	−0,0012	−0,002	8.8244	7.2617	0.4869	−7.5568
4117	Muscæ	7	6 16,63	3,152	+0,0700	.....	9.2096	7.6473	0.4985	+9.1694
4118	Muscæ	7	6 25,69	3,154	+0,0701	+0,019	9.2093	7.6573	0.4988	+9.1690
4119	Virginis	7	6 34,35	3,074	+0,0030	−0,018	8.8253	7.2830	0.4877	+7.7558
4120*	Crucis ..... δ	3	7 12,68	3,138	+0,0500	−0,010	9.0984	7.5964	0.4966	+9.0264
4121*	1 Canum Ven.....	6	7 15,97	3,012	−0,0395	+0,002	9.0573	7.5586	0.4788	−8.9667
4122*	Draconis	6	7 56,87	2,936	−0,0787	.....	9.3118	7.8520	0.4677	−9.2876
4123*	69 Ursæ Majoris .. δ	3	7 58,79	2,997	−0,0448	+0,019	9.0978	7.6398	0.4766	−9.0256
4124	4 Corvi .....γ	3	8 5,97	3,085	+0,0095	−0,008	8.8424	7.3909	0.4892	+8.3010
4125	6 Comæ	5	8 22,93	3,057	−0,0079	−0,003	8.8402	7.4036	0.4853	−8.2735
4126	2 Canum Ven.....	5	8 36,01	3,026	−0,0251	+0,008	8.9491	7.5236	0.4809	−8.7704
4127	7 Comæ	5	8 44,96	3,047	−0,0131	+0,003	8.8655	7.4475	0.4839	−8.4879
4128	Canum Ven.....	5	8 57,48	3,036	−0,0191	+0,005	8.9045	7.4967	0.4822	−8.6509
4129	Muscæ ..... ε	5½	9 33,28	3,203	+0,0773	+0,037	9.2339	7.8542	0.5055	+9.1983
4130	Ursæ Minoris	8½	9 37,82	2,718	−0,1438	+0,016	9.6273	8.2510	0.4342	−9.6219
4131	Chamæleontis ..β	5	9 40,27	3,347	+0,1732	−0,043	9.5231	8.1482	0.5247	+9.5142
4132	Centauri	6½	10 14,68	3,146	+0,0399	+0,006	9.0291	7.6797	0.4977	+8.9225
4133	Crucis ..... ζ	5	10 20,59	3,190	+0,0642	−0,037	9.1690	7.8238	0.5038	+9.1195
4134	Virginis	7	10 27,81	3,074	+0,0022	+0,005	8.8241	7.4839	0.4877	+7.5600
4135	Virginis	7	10 28,03	3,074	+0,0022	−0,002	8.8241	7.4841	0.4877	+7.5591
4136	Virginis	7	10 49,92	3,080	+0,0048	+0,009	8.8277	7.5026	0.4885	+7.9749
4137	13 Virginis	6	10 59,00	3,071	+0,0006	+0,004	8.8234	7.5043	0.4872	−5.7369
4138	Centauri	6	11 1,02	3,160	+0,0445	−0,021	9.0574	7.7396	0.4997	+8.9672
4139	Comæ	7½	11 28,32	3,037	−0,0141	+0,013	8.8729	7.5727	0.4824	−8.5276
4140*	14 Virginis	6½	12 11 37,33	+3,080	+0,0049	+0,005	−8.8277	−7.5332	+0.4886	+7.9754

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a′	b′	c′	d′						
	° ′ ″	″	″	″										
4096	83 21 29,3	+20,05	−0,005	−0,02	−9.6358	+9.0632	+1.3022	−8.0222	1627	249	ii.1399	....	....	M 502
4097	111 47 4,5	20,05	0,005	−0,02	9.6011	−9.5695	1.3022	8.0238	1626	248	ii.1398	....	....	P491, J272
4098	127 2 2,5	20,05	0,006	+0,06	9.5302	−9.7798	1.3022	8.0871	....	....	v.2125	5045	3945	
4099	72 21 19,5	20,05	0,006	−0,01	9.6205	+9.4816	1.3022	8.0995	1628	2	iii.1474			
4100	61 52 57,0	20,05	0,006	+0,02	9.5902	+9.6732	1.3022	8.1380	....	3	iii.1475	....	....	B.F 1681
4101	112 45 58,7	20,05	0,007	+0,03	9.5959	−9.5876	1.3022	8.1644	1629	4	ii.1400	....	....	W 668
4102	133 26 42,2	20,05	0,007	.....	9.4830	−9.8373	1.3022	8.2026	....	....	v.2130	....	3951	
4103	141 31 57,2	20,05	0,008	−0,02	9.4098	−9.8937	1.3022	8.2236	....	....	ii.1401	5055	3953	J273, R273
4104	85 6 40,9	20,05	0,008	+0,14	9.6374	+8.9305	1.3022	8.2411	....	6	iii.1477			
4105	153 40 22,9	20,05	0,008	−0,22	9.2470	−9.9524	1.3022	8.2483	....	....	.....	5056	3954	
4106	7 27 19,4	20,05	0,008	.....	8.8710	+9.9962	1.3022	8.2590	....	....	.....	....	....	G 1858
4107	63 17 32,0	20,05	0,008	−0,01	9.5977	+9.6526	1.3022	8.2668	1630	7	ii.1402			
4108	32 6 38,7	20,05	0,008	+0,06	9.3916	+9.9278	1.3022	8.2676	1631	8	iii.1478			
4109	152 37 6,8	20,05	0,009	.....	9.2622	−9.9483	1.3021	8.2747	....	....	.....	....	....	R 275
4110	68 37 14,3	20,05	0,009	−0,02	9.6142	+9.5617	1.3021	8.2950	1632	9	ii.1403			
4111	11 43 26,9	20,05	0,009	.....	9.0346	+9.9908	1.3021	8.3118	1633	....	.....	....	....	B 32
4112	11 33 0,0	20,05	0,010	−0,02	9.0362	+9.9910	1.3021	8.3478	1634	10	ii.1404	....	....	B.H 262
4113	128 5 37,3	20,05	0,011	+0,09	9.5136	−9.7901	1.3021	8.3911	....	....	v.2135	5065	3963	
4114	78 54 6,5	20,05	0,011	0,00	9.6342	+9.2843	1.3021	8.4027	1635	13	ii.1405			
4115	134 53 22,0	20,05	0,012	+0,03	9.4597	−9.8485	1.3021	8.4337	....	15	iii.1481	5069	3967	R 276
4116	86 54 16,1	20,05	0,012	+0,06	9.6383	+8.7322	1.3021	8.4372	....	16	iii.1482	....	....	B.F 1688
4117	155 42 51,3	20,05	0,013	.....	9.1861	−9.9596	1.3021	8.4375	....	....	.....	....	3968	R 277
4118	155 41 40,5	20,05	0,013	+0,68	9.1847	−9.9595	1.3021	8.4478	....	....	.....	5072	3972	R 279
4119	94 53 16,1	20,05	0,013	−0,07	9.6335	−8.9303	1.3020	8.4575	....	17	iv. 798	....	....	M 503
4120	147 54 49,3	20,05	0,014	−0,05	9.3092	−9.9278	1.3020	8.4978	....	....	ii.1406	5075	3975	J274, R280
4121	35 43 50,4	20,05	0,014	+0,05	9.4458	+9.9092	1.3020	8.5011	1636	19	iii.1484			
4122	18 57 53,3	20,04	0,015	.....	9.2401	+9.9755	1.3020	8.5400	....	....	.....	....	....	B.F 1693
4123	32 8 1,8	20,04	0,015	+0,06	9.4155	+9.9275	1.3020	8.5417	1637	22	ii.1407			
4124	106 42 30,4	20,04	0,016	−0,02	9.6079	−9.4584	1.3020	8.5482	1638	24	ii.1408	....	....	A272, J275
4125	74 15 53,2	20,04	0,016	+0,01	9.6310	+9.4330	1.3019	8.5631	1639	26	iii.1488			
4126	48 30 13,9	20,04	0,017	+0,03	9.5439	+9.8209	1.3019	8.5742	1640	27	iii.1489			
4127	65 13 14,1	20,04	0,017	+0,03	9.6128	+9.6220	1.3019	8.5817	1641	28	iii.1490			
4128	56 6 2,8	20,04	0,017	+0,18	9.5821	+9.7461	1.3019	8.5919	....	29	iii.1491	....	....	B.F 357
4129	157 7 31,9	20,04	0,020	0,00	9.1149	−9.9641	1.3018	8.6199	....	....	.....	5084	3985	R 281
4130	9 2 22,5	20,04	0,017	−0,03	9.0402	+9.9942	1.3018	8.6233	1642	....	.....	....	....	B 34
4131	168 28 46,3	20,04	0,021	+0,01	8.6571	−9.9908	1.3018	8.6247	....	....	ii.1411	5085	3986	J276, R282
4132	141 28 20,0	20,04	0,021	−0,05	9.3716	−9.8930	1.3018	8.6502	....	....	v.2148	5089	3992	
4133	153 10 20,8	20,04	0,021	+0,42	9.1920	−9.9501	1.3018	8.6543	....	....	.....	5090	3994	R 283
4134	93 7 12,5	20,03	0,021	−0,07	9.6343	−8.7354	1.3018	8.6593	....	32	iv. 801			
4135	93 6 50,2	20,03	0,021	−0,12	9.6343	−8.7345	1.3018	8.6595	....	33	iii.1493			
4136	98 3 59,9	20,03	0,021	+0,07	9.6264	−9.1467	1.3017	8.6744	....	35	iii.1495	....	....	B.F 1703
4137	89 57 11,5	20,03	0,022	+0,06	9.6375	+6.9130	1.3017	8.6804	1643	38	ii.1412	....	....	M 504
4138	144 18 29,9	20,03	0,022	+0,08	9.3308	−9.9092	1.3017	8.6817	....	....	v.2149	5092	3995	R 284
4139	63 9 23,9	20,03	0,022	−0,03	9.6126	+9.6542	1.3017	8.6993	....	39	iii.1497	....	....	B.F 1697
4140	98 4 42,3	+20,03	−0,023	−0,03	−9.6259	−9.1472	+1.3017	−8.7049	1644	41	iii.1499	....	....	W 672

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4141	8 Comæ	6	12 11 44,42	+3,040	−0,0123	+0,002	−8.8622	−7.5720	+0.4829	−8.4692
4142	9 Comæ	6½	11 58,56	3,032	−0,0154	−0,012	8.8815	7.6000	0.4817	−8.5670
4143*	Draconis	5½	12 5,35	2,788	−0,0968	+0,022	9.4395	8.1621	0.4453	−9.4264
4144	Muscæ	6	12 7,29	3,222	+0,0709	.....	9.1975	7.9213	0.5082	+9.1548
4145	15 Virginis ..... η	3½	12 13,89	3,070	+0,0006	−0,003	8.8233	7.5510	0.4872	−6.2885
4146	Muscæ	6	12 16,94	3,224	+0,0711	+0,016	9.1975	7.9270	0.5084	+9.1548
4147*	10 Comæ	6	12 17,85	3,030	−0,0156	+0,013	8.8827	7.6128	0.4815	−8.5723
4148	3 Canum Ven.....	5½	12 24,47	2,985	−0,0326	+0,006	9.0136	7.7475	0.4749	−8.8966
4149*	Corvi	6½	12 25,33	3,099	+0,0126	−0,004	8.8541	7.5886	0.4912	+8.4151
4150*	5 Ursæ Minoris .. β.	6	12 25,98	1,551	−0,0055	+0,325	0.1453	8.8801	0.1905	−0.1448
4151	16 Virginis c	5	12 44,02	3,065	−0,0015	−0,016	8.8244	7.5696	0.4865	−7.6838
4152	Comæ	6½	12 45,99	3,033	−0,0140	−0,001	8.8727	7.6191	0.4819	−8.5273
4153*	Comæ	6	12 47,02	3,032	−0,0144	.....	8.8751	7.6221	0.4817	−8.5390
4154	5 Corvi ..... ζ	5½	12 47,82	3,100	+0,0126	−0,008	8.8542	7.6016	0.4913	+8.4160
4155	Centauri	6	12 58,12	3,151	+0,0340	−0,020	8.9864	7.7396	0.4984	+8.8478
4156*	11 Comæ	5	13 8,13	3,045	−0,0092	−0,009	8.8466	7.6053	0.4836	−8.3508
4157	Corvi	6	13 11,42	3,088	+0,0076	+0,004	8.8340	7.5945	0.4897	+8.1772
4158	Crucis ..... ε	4	13 18,27	3,203	+0,0558	−0,026	9.1186	7.8829	0.5055	+9.0543
4159	70 Ursæ Majoris	6	13 33,74	2,941	−0,0441	+0,010	9.1076	7.8802	0.4684	−9.0392
4160*	Centauri	6	13 48,95	3,164	+0,0373	+0,015	9.0072	7.7879	0.5002	+8.8858
4161	Muscæ ..... ζ^1	6	13 51,32	3,265	+0,0817	−0,040	9.2398	8.0217	0.5139	+9.2053
4162	Muscæ ..... ζ^2	6	13 52,05	3,258	+0,0784	+0,052	9.2257	8.0081	0.5130	+9.1888
4163	Octantis	6	13 57,61	4,184	+0,7043	.....	9.9604	8.7457	0.6216	+9.9593
4164	Octantis	6	14 6,59	+4,074	+0,6019	−0,025	9.9109	8.7008	+0.6100	+9.9094
4165*	6 Ursæ Minoris .. β.	6	14 32,29	−0,235	+1,3403	−0,173	0.4142	9.2171	−9.3703	−0.4141
4166	Ursæ Minoris	6	14 38,17	+2,230	−0,1319	.....	9.8190	8.6248	+0.3482	−9.8168
4167	Crucis	6	14 43,98	3,202	+0,0504	+0,003	9.0851	7.8938	0.5054	+9.0079
4168	17 Virginis	6	14 54,43	3,061	−0,0023	−0,010	8.8255	7.6393	0.4859	−7.8547
4169	12 Comæ	5	14 57,61	3,027	−0,0137	+0,002	8.8719	7.6872	0.4810	−8.5241
4170	Muscæ	6	15 21,29	3,280	+0,0799	−0,006	9.2277	8.0544	0.5158	+9.1911
4171	Virginis	7	15 27,38	3,081	+0,0043	+0,011	8.8257	7.6553	0.4887	+7.8773
4172	Virginis	7	15 33,01	3,077	+0,0031	−0,001	8.8240	7.6563	0.4882	+7.6825
4173	6 Corvi	5½	15 33,36	3,111	+0,0145	+0,004	8.8622	7.6946	0.4929	+8.4716
4174	Centauri ..... $\varkappa^1$	6	15 42,23	3,134	+0,0223	−0,017	8.9073	7.7438	0.4961	+8.6613
4175	Centauri	6½	15 51,07	3,143	+0,0253	−0,001	8.9268	7.7674	0.4973	+8.7169
4176	Centauri	6	16 22,22	3,171	+0,0345	+0,005	8.9853	7.8399	0.5012	+8.8462
4177	4 Canum Ven.....	6	16 23,47	2,980	−0,0255	−0,006	8.9613	7.8165	0.4743	−8.7981
4178	Comæ	7	16 31,58	3,022	−0,0135	+0,009	8.8717	7.7305	0.4803	−8.5240
4179	Virginis	7	16 37,73	3,087	+0,0061	−0,005	8.8290	7.6904	0.4896	+8.0531
4180	5 Canum Ven.....	5½	16 43,15	2,944	−0,0346	+0,002	9.0373	7.9011	0.4690	−8.9361
4181	13 Comæ	5	16 46,83	3,021	−0,0137	+0,001	8.8726	7.7380	0.4801	−8.5286
4182	Centauri	6	17 13,56	3,160	+0,0290	−0,015	8.9494	7.8263	0.4997	+8.7723
4183	Centauri ..... $\varkappa^2$	6	17 29,51	3,140	+0,0223	+0,025	8.9059	7.7894	0.4970	+8.6574
4184	Comæ	6	17 42,43	3,023	−0,0123	+0,017	8.8645	7.7533	0.4804	−8.4865
4185*	71 Ursæ Majoris	6	12 17 51,76	+2,907	−0,0409	+0,001	−9.0937	−7.9863	+0.4634	−9.0202

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4141	66 7 51,8	+20,03	−0,023	+0,01	−9.6207	+9.6065	+1.3017	−8.7093	1645	42	ii.1414			
4142	61 0 17,2	20,03	0,023	+0,21	9.6074	+9.6849	1.3016	8.7179	1646	43	iii.1500			
4143	14 0 21,1	20,03	0,021	−0,02	9.1937	+9.9863	1.3016	8.7220	1650	45	iii.1501	....	....	B.H 690
4144	155 0 34,8	20,03	0,025	.....	9.1316	−9.9567	1.3016	8.7232	....	....	.....	....	4002	
4145	89 49 58,3	20,03	0,024	+0,04	9.6377	+7.4646	1.3016	8.7271	1647	44	ii.1415	....	....	M 505
4146	155 0 25,0	20,03	0,025	−0,19	9.1297	−9.9567	1.3016	8.7289	....	....	.....	5100	4004	
4147	60 42 8,7	20,03	0,024	+0,08	9.6071	+9.6890	1.3016	8.7294	1648	46	iii.1502	....	....	W 674
4148	40 11 1,2	20,03	0,024	+0,06	9.5069	+9.8824	1.3016	8.7333	1651	48	iii.1504			
4149	111 20 22,8	20,03	0,025	−0,05	9.5849	−9.5603	1.3016	8.7338	1649	47	iii.1503			
4150	2 43 50,3	20,03	0,012	+0,08	8.8745	+9.9989	1.3016	8.7342	1656	....	.....	....	....	G 1871
4151	85 51 5,0	20,02	0,025	+0,07	9.6403	+8.8587	1.3016	8.7445	1652	50	ii.1417	....	....	M 506
4152	63 9 52,7	20,02	0,025	−0,09	9.6152	+9.6539	1.3016	8.7457	....	52	iii.1506	....	....	B.F 1709
4153	62 32 23,0	20,02	0,025	.....	9.6136	+9.6632	1.3015	8.7462	....	....	.....	....	....	B.F 1711
4154	111 22 51,1	20,02	0,025	+0,03	9.5840	−9.5611	1.3015	8.7467	1653	51	ii.1418			
4155	136 37 17,7	20,02	0,026	+0,04	9.4099	−9.8607	1.3015	8.7525	....	....	v.2153	5106	4009	
4156	71 22 39,8	20,02	0,025	−0,07	9.6330	+9.5035	1.3015	8.7580	1654	53	ii.1419	....	....	P500, A276
4157	102 43 56,9	20,02	0,026	−0,02	9.6134	−9.3425	1.3015	8.7598	....	54	ii.1420	....	....	B.F 1707
4158	149 34 19,6	20,02	0,027	−0,14	9.2299	−9.9349	1.3015	8.7636	....	....	ii.1421	5110	4014	J277, R285
4159	31 17 59,1	20,02	0,025	+0,07	9.4409	+9.9309	1.3015	8.7719	1655	56	iii.1508			
4160	139 7 2,3	20,02	0,028	+0,27	9.3775	−9.8778	1.3014	8.7799	....	....	v.2157	5114	4016	
4161	157 28 19,1	20,02	0,029	−0,05	9.0434	−9.9647	1.3014	8.7812	....	....	.....	5113	4019	
4162	156 41 23,8	20,02	0,029	+0,17	−9.0652	−9.9622	1.3014	8.7816	....	....	.....	5112	4017	
4163	175 49 11,7	20,02	0,037	.....	+8.4639	−9.9980	1.3014	8.7844	....	....	.....	....	4015	
4164	175 18 49,3	20,02	−0,037	−0,61	+8.4116	−9.9977	1.3014	8.7891	....	....	.....	5107	4018	
4165	1 28 7,7	20,02	+0,002	−0,06	−8.8722	+9.9990	1.3014	8.8020	1672	....	.....	....	....	A 278
4166	5 47 35,2	20,01	−0,021	.....	9.0306	+9.9969	1.3013	8.8050	....	....	.....	....	....	G 1879
4167	146 50 32,2	20,01	0,030	−0,07	9.2639	−9.9219	1.3013	8.8078	....	....	v.2159	5120	4023	
4168	83 51 34,3	20,01	0,029	+0,07	9.6420	+9.0283	1.3013	8.8129	1657	58	ii.1422	....	....	M 507
4169	63 19 13,3	20,01	0,029	−0,01	9.6202	+9.6513	1.3013	8.8144	1658	59	ii.1423			
4170	156 48 41,1	20,01	0,032	−0,12	9.0390	−9.9624	1.3012	8.8257	....	....	.....	5123	4027	
4171	96 28 0,7	20,01	0,030	+0,03	9.6270	−9.0507	1.3012	8.8286	....	63	iii.1512			
4172	94 8 23,7	20,01	0,030	+0,01	9.6313	−8.8575	1.3012	8.8312	....	65	iii.1513	....	....	M 508
4173	114 0 23,9	20,01	0,031	+0,01	9.5668	−9.6084	1.3012	8.8314	1659	64	ii.1424	5127		
4174	124 34 50,5	20,01	0,031	+0,17	9.5030	−9.7530	1.3012	8.8355	....	66	iii.1514	5129	4035	
4175	128 4 38,2	20,01	0,032	−0,14	9.4757	−9.7891	1.3012	8.8395	....	....	v.2164	5130	4036	
4176	136 32 26,9	20,00	0,033	+0,08	9.3922	−9.8598	1.3011	8.8535	....	....	v.2166	5135	4039	
4177	46 37 33,1	20,00	0,031	+0,01	9.5617	+9.8357	1.3011	8.8541	1660	67	iii.1515			
4178	63 18 56,5	20,00	0,032	−0,04	9.6234	+9.6512	1.3011	8.8576	....	68	iii.1516	....	....	B.F 1715
4179	99 38 41,0	20,00	0,033	−0,14	9.6188	−9.2230	1.3011	8.8603	....	69	iii.1517	....	....	M 509
4180	37 36 22,5	20,00	0,031	+0,02	9.5085	+9.8977	1.3011	8.8626	1662	71	iii.1518			
4181	63 4 5,6	20,00	0,032	+0,02	9.6233	+9.6549	1.3011	8.8642	1661	70	ii.1425			
4182	131 40 51,9	20,00	0,035	+0,04	9.4381	−9.8216	1.3010	8.8756	....	....	v.2169	5141	4045	
4183	124 21 14,2	20,00	0,035	+0,02	9.4987	−9.7502	1.3010	8.8822	....	74	iii.1519	5142	4046	
4184	65 14 28,8	20,00	0,034	+0,14	9.6298	+9.6207	1.3009	8.8876	....	75	iii.1520			
4185	32 23 24,1	+19,99	−0,033	+0,04	−9.4745	+9.9252	+1.3009	−8.8913	1663	76	iii.1521	....	....	G 1887

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4186*	Crucis	4½	12 18 13,18	+3,273	+0,0652	+0,010	−9.1551	−8.0564	+0.5149	+9.1022
4187*	Crucis .....α	1	18 18,00	3,273	+0,0651	−0,022	9.1547	8.0578	0.5150	+9.1018
4188	6 Canum Ven.....	5½	18 27,05	2,981	−0,0223	−0,003	8.9373	7.8441	0.4743	−8.7440
4189	Centauri	6	18 27,49	3,202	+0,0404	−0,002	9.0201	7.9270	0.5054	+8.9082
4190	Centauri	6	18 53,74	3,193	+0,0369	−0,080	8.9976	7.9147	0.5042	+8.8692
4191	14 Comæ	5	18 53,77	3,012	−0,0142	+0,003	8.8769	7.7941	0.4788	−8.5499
4192	Hydræ	6	18 58,30	3,140	+0,0205	+0,002	8.8940	7.8129	0.4969	+8.6182
4193	Ursæ Minoris	6	19 5,67	1,964	−0,0815	.....	9.8224	8.7441	0.2931	−9.8202
4194*	72 Ursæ Majoris	7	19 21,11	2,904	−0,0382	+0,020	9.0747	8.0023	0.4629	−8.9932
4195	15 Comæ .....γ	4½	19 27,45	3,008	−0,0148	−0,004	8.8810	7.8109	0.4782	−8.5679
4196	16 Comæ	5	19 29,08	3,011	−0,0139	+0,007	8.8750	7.8056	0.4787	−8.5417
4197	Centauri .....σ	4½	19 57,03	3,206	+0,0389	−0,021	9.0088	7.9497	0.5060	+8.8892
4198	Corvi	6	20 2,76	3,104	+0,0097	+0,004	8.8390	7.7819	0.4919	+8.2740
4199*	Comæ	7	20 6,18	3,012	−0,0133	−0,021	8.8714	7.8156	0.4788	−8.5246
4200	Virginis	6½	20 9,71	3,078	+0,0031	−0,016	8.8232	7.7687	0.4883	+7.6427
4201	Virginis	6½	20 14,05	3,087	+0,0053	.....	8.8263	7.7733	0.4895	+7.9614
4202	Centauri	5	20 24,87	3,164	+0,0260	−0,009	8.9269	7.8778	0.5003	+8.7183
4203	73 Ursæ Majoris	6	20 25,06	2,891	−0,0386	−0,009	9.0808	8.0318	0.4610	−9.0021
4204	Virginis	7	20 39,77	3,060	−0,0015	−0,007	8.8240	7.7802	0.4857	−7.7835
4205*	Comæ	6	21 8,44	3,008	−0,0134	.....	8.8724	7.8386	0.4782	−8.5303
4206*	Comæ	6½	21 15,05	3,008	−0,0132	−0,001	8.8711	7.8396	0.4783	−8.5242
4207	17 Comæ	5½	21 25,05	3,008	−0,0132	+0,004	8.8712	7.8430	0.4782	−8.5244
4208	Virginis	7	21 28,31	3,074	+0,0020	0,000	8.8222	7.7951	0.4877	+7.2675
4209	18 Comæ	6	21 56,54	3,011	−0,0121	+0,001	8.8644	7.8469	0.4787	−8.4893
4210	Centauri	6	21 57,56	3,181	+0,0289	+0,023	8.9435	7.9263	0.5026	+8.7596
4211	7 Corvi .....δ	3	22 6,81	3,107	+0,0097	−0,001	8.8384	7.8242	0.4923	+8.2701
4212	20 Comæ	6½	22 11,41	3,019	−0,0102	+0,016	8.8539	7.8412	0.4799	−8.4223
4213	Virginis	6½	22 21,09	3,100	+0,0080	−0,023	8.8324	7.8229	0.4913	+8.1697
4214	Corvi	6	22 27,44	3,126	+0,0143	+0,014	8.8574	7.8499	0.4950	+8.4468
4215	Crucis .....γ	2	22 52,84	3,270	+0,0516	+0,005	9.0773	8.0780	0.5146	+8.9972
4216	74 Ursæ Majoris	6	22 55,89	2,846	−0,0414	−0,002	9.1128	8.1145	0.4543	−9.0469
4217*	7 Canum Ven.....	6	22 56,33	2,897	−0,0329	−0,013	9.0360	8.0378	0.4620	−8.9346
4218*	Virginis	6	22 56,39	3,046	−0,0042	.....	8.8291	7.8310	0.4837	−8.0917
4219*	75 Ursæ Majoris	6	23 1,07	2,842	−0,0418	.....	9.1175	8.1209	0.4536	−9.0533
4220	Virginis	7	23 8,78	3,078	+0,0030	−0,011	8.8224	7.8282	0.4883	+7.5732
4221	Crucis	6	23 19,64	3,293	+0,0570	−0,020	9.1047	8.1139	0.5176	+9.0359
4222*	4 Draconis	5½	23 30,19	2,694	−0,0603	+0,001	9.2883	8.3007	0.4304	−9.2613
4223	21 Comæ	5½	23 30,99	3,006	−0,0122	+0,005	8.8658	7.8785	0.4779	−8.4981
4224	Muscæ .....γ	4	23 35,05	3,477	+0,1123	−0,017	9.3157	8.3297	0.5411	+9.2922
4225	Virginis	6½	23 55,93	3,081	+0,0036	−0,012	8.8227	7.8431	0.4887	+7.6899
4226	8 Corvi .....η	4½	24 20,93	3,110	+0,0098	−0,027	8.8373	7.8652	0.4927	+8.2604
4227	Centauri	6½	25 26,38	3,198	+0,0290	+0,011	8.9407	7.9879	0.5048	+8.7541
4228	20 Virginis	6	25 27,27	3,042	−0,0043	−0,002	8.8295	7.8768	0.4831	−8.1149
4229	Virginis	7	25 57,05	3,048	−0,0029	+0,007	8.8259	7.8818	0.4840	−7.9959
4230	21 Virginis .....φ	5½	12 26 2,59	+3,094	+0,0060	−0,003	−8.8260	−7.8834	+0.4905	+8.0019

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4186	152 17 23,6	+19,99	−0,038	+0,02	−9.1189	−9.9457	+1.3009	−8.8999	....	....	ii.1426	5147	4049	J 278
4187	152 15 59,7	19,99	0,038	−0,05	9.1183	−9.9456	1.3008	8.9016	....	....	ii.1427	5148	4050	J279, R286
4188	50 8 57,4	19,99	0,035	+0,09	9.5851	+9.8053	1.3008	8.9054	1664	79	iii.1522			
4189	140 37 8,6	19,99	0,038	+0,13	9.3286	−9.8867	1.3008	8.9055	....	....	v.2170	5150	4052	
4190	138 4 42,2	19,99	0,038	+0,17	9.3591	−9.8701	1.3007	8.9157	....	....	v.2172	5153	4055	
4191	61 53 59,6	19,99	0,036	+0,02	9.6249	+9.6716	1.3007	8.9157	1665	81	ii.1428			
4192	121 59 50,8	19,99	0,038	+0,06	9.5108	−9.7227	1.3007	8.9174	....	80	iii.1524	5154	4056	
4193	5 44 22,8	19,99	0,024	.....	9.1011	+9.9963	1.3007	8.9202	....	....	.....	....	....	G 1892
4194	34 0 36,1	19,98	0,036	+0,02	9.4950	+9.9170	1.3007	8.9260	1668	83	iii.1525			
4195	60 53 49,1	19,98	0,037	+0,11	9.6238	+9.6854	1.3007	8.9284	1666	84	ii.1429			
4196	62 20 33,2	19,98	0,037	0,00	9.6272	+9.6651	1.3007	8.9290	1667	85	ii.1430			
4197	139 23 55,8	19,98	0,041	−0,07	9.3353	−9.8787	1.3006	8.9392	....	....	v.2176	5162	4062	J 280
4198	105 48 5,4	19,98	0,040	+0,04	9.5953	−9.4334	1.3006	8.9413	....	87	iii.1526			
4199	63 15 17,8	19,98	0,039	.....	9.6303	+9.6516	1.3006	8.9425	1669	....	.....	....	....	L 64
4200	93 47 2,9	19,98	0,039	+0,03	9.6306	−8.8179	1.3005	8.9438	....	91	ii.1432	....	....	M 510
4201	97 50 41,9	19,98	0,040	.....	9.6211	−9.1334	1.3005	8.9453	....	....	v.2179	....	4066	
4202	128 12 37,2	19,98	0,041	+0,25	9.4564	−9.7896	1.3005	8.9492	....	92	ii.1433	5164	4068	
4203	33 27 22,4	19,98	0,038	+0,05	9.4961	+9.9196	1.3005	8.9493	1670	93	iii.1529			
4204	84 46 22,6	19,97	0,040	+0,01	9.6439	+8.9578	1.3005	8.9544	....	95	ii.1434	....	....	M 511
4205	62 56 26,8	19,97	0,040	.....	9.6319	+9.6561	1.3004	8.9643	....	....	.....	....	....	B.F 1726
4206	63 16 5,8	19,97	0,041	−0,06	9.6327	+9.6512	1.3004	8.9666	1671	96	iv. 811	....	....	B.F 1727
4207	63 15 19,9	19,97	0,041	+0,01	9.6330	+9.6513	1.3003	8.9700	1673	97	ii.1435			
4208	91 35 51,6	19,97	0,042	−0,07	9.6347	−8.4434	1.3003	8.9711	....	98	iii.1530			
4209	65 3 46,6	19,96	0,042	+0,08	9.6373	+9.6229	1.3002	8.9804	1674	100	ii.1436			
4210	130 54 17,3	19,96	0,044	+0,01	9.4239	−9.8141	1.3002	8.9808	....	....	v.2186	5173	4077	
4211	105 40 46,5	19,96	0,044	+0,16	9.5931	−9.4298	1.3002	8.9838	1675	101	ii.1437	....	....	J 281
4212	68 16 16,7	19,96	0,043	0,00	9.6424	+9.5664	1.3002	8.9853	1676	102	iii.1532			
4213	102 33 36,3	19,96	0,044	+0,05	9.6047	−9.3353	1.3002	8.9884	....	104	ii.1438	....	....	M 512
4214	112 51 56,2	19,96	0,045	+0,01	9.5586	−9.5874	1.3001	8.9905	....	105	iv. 812			
4215	146 16 17,7	19,96	0,048	+0,17	9.1989	−9.9178	1.3001	8.9986	....	....	ii.1439	5180	4080	J282, R287
4216	30 46 7,0	19,96	0,042	−0,06	9.4883	+9.9319	1.3000	8.9995	1678	107	iii.1535			
4217	37 38 7,6	19,96	0,042	+0,01	9.5367	+9.8965	1.3000	8.9997	1677	106	iii.1534	....	....	G 1898
4218	79 27 8,2	19,96	0,044	.....	9.6483	+9.2604	1.3000	8.9997	....	....	ii.1440	....	....	Z 846
4219	30 24 5,4	19,95	0,042	.....	9.4859	+9.9336	1.3000	9.0012	....	....	.....	....	....	B.F 1733
4220	93 13 48,1	19,95	0,045	−0,04	9.6310	−8.7486	1.3000	9.0036	....	108	iii.1536	....	....	M 513
4221	148 35 36,9	19,95	0,049	−0,05	9.1443	−9.9290	1.3000	9.0069	....	....	v.2190	5185	4083	
4222	19 58 3,2	19,95	0,040	+0,12	9.3881	+9.9708	1.2999	9.0102	1680	110	iii.1537	....	....	G 1901
4223	64 36 12,9	19,95	0,045	+0,05	9.6394	+9.6300	1.2999	9.0104	1679	109	ii.1442			
4224	161 18 13,2	19,95	0,052	+0,03	8.6212	−9.9742	1.2999	9.0117	....	....	ii.1441	5184	4085	J283, R288
4225	94 13 27,2	19,95	0,047	−0,02	9.6285	−8.8649	1.2999	9.0180	....	111	ii.1443	....	....	M 514
4226	105 21 52,4	19,94	0,048	+0,07	9.5914	−9.4207	1.2998	9.0255	1681	115	ii.1444	....	....	J 284
4227	130 35 8,7	19,93	0,052	+0,12	9.4108	−9.8106	1.2995	9.0444	....	....	v.2200	5200	4099	
4228	78 52 28,2	19,93	0,049	−0,01	9.6505	+9.2828	1.2995	9.0447	1682	116	ii.1445			
4229	81 29 41,1	19,93	0,050	+0,03	9.6492	+9.1672	1.2994	9.0530	....	118	iii.1539			
4230	98 37 22,2	+19,93	−0,051	−0,03	−9.6150	−9.1731	+1.2994	−9.0546	1683	119	ii.1446	....	....	M 515

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4231*	Comæ	7	12 26 3,41	+2,999	−0,0119	.....	−8.8648	−7.9224	+0.4770	−8.4953
4232	22 Comæ	6	26 5,38	2,999	−0,0118	−0,001	8.8642	7.9224	0.4770	−8.4920
4233	Canum Ven.....	6½	26 14,30	2,967	−0,0172	−0,013	8.9029	7.9636	0.4724	−8.6513
4234	9 Corvi .....β	2½	26 31,00	3,135	+0,0143	−0,004	8.8556	7.9209	0.4962	+8.4396
4235	8 Canum Ven.....β	4	26 36,45	2,930	−0,0229	−0,065	8.9511	8.0179	0.4669	−8.7781
4236	Centauri	6	26 37,40	3,219	+0,0327	+0,026	8.9628	8.0299	0.5078	+8.8033
4237	Virginis	7	26 42,31	3,072	+0,0018	−0,009	8.8210	7.8894	0.4875	+6.8269
4238	Virginis	7	26 53,63	3,047	−0,0029	+0,016	8.8258	7.8973	0.4839	−7.9988
4239	5 Draconis .....ϰ	3½	27 2,98	2,623	−0,0582	−0,013	9.2999	8.3739	0.4188	−9.2745
4240	23 Comæ	4½	27 22,75	3,002	−0,0108	+0,013	8.8583	7.9376	0.4773	−8.4582
4241*	Comæ	7	27 34,95	3,015	−0,0084	+0,009	8.8456	7.9282	0.4793	−8.3627
4242	24 Comæ	5½	27 36,05	3,015	−0,0084	+0,002	8.8456	7.9285	0.4792	−8.3627
4243	Centauri	6	27 42,92	3,207	+0,0289	+0,008	8.9377	8.0224	0.5061	+8.7475
4244*	Canum Ven.....	neb.	27 53	2,947	−0,0191	.....	8.9196	8.0069	0.4694	−8.7012
4245	Muscæ .....α	4	28 18,20	3,485	+0,0961	−0,004	9.2528	8.3467	0.5422	+9.2209
4246*	6 Draconis	5½	28 21,80	2,595	−0,0573	+0,019	9.3046	8.3994	0.4142	−9.2799
4247	25 Virginis.....f	6	29 4,06	3,085	+0,0042	0,000	8.8221	7.9276	0.4893	+7.7629
4248	25 Comæ	6	29 26,90	3,015	−0,0076	0,000	8.8419	7.9532	0.4793	−8.3299
4249	Ursæ Minoris	6	29 30,62	1,977	−0,0526	.....	9.6297	8.7419	0.2960	−9.6244
4250*	Virginis	7	29 31,03	3,042	−0,0033	−0,011	8.8265	7.9388	0.4831	−8.0496
4251	Centauri .....τ	5	29 31,49	3,260	+0,0383	−0,019	8.9924	8.1048	0.5132	+8.8615
4252*	Centauri	6	29 44,04	3,319	+0,0510	−0,026	9.0628	8.1783	0.5210	+8.9767
4253	Hydræ	5½	29 45,53	3,156	+0,0171	+0,004	8.8677	7.9836	0.4992	+8.5143
4254	Virginis	7	30 43,55	3,062	+0,0003	−0,002	8.8205	7.9504	0.4860	−7.4905
4255	Virginis	6½	31 0,73	3,082	+0,0035	−0,004	8.8208	7.9548	0.4888	+7.6122
4256	Hydræ	6	31 5,87	3,173	+0,0197	+0,005	8.8806	8.0158	0.5015	+8.5742
4257	26 Virginis .....χ	5	31 30,74	3,094	+0,0055	0,000	8.8232	7.9643	0.4905	+7.9194
4258	9 Canum Ven.....	6½	31 32,47	2,907	−0,0218	+0,004	8.9467	8.0881	0.4635	−8.7697
4259	Virginis	6	31 38,53	3,094	+0,0056	+0,009	8.8232	7.9661	0.4905	+7.9216
4260	26 Comæ	6	31 39,39	2,997	−0,0095	−0,002	8.8523	7.9953	0.4766	−8.4238
4261	Virginis	7	31 46,55	3,088	+0,0045	−0,001	8.8216	7.9663	0.4896	+7.7851
4262	Centauri	5	31 46,59	3,221	+0,0283	−0,001	8.9302	8.0749	0.5080	+8.7306
4263	Centauri	6	33 9,38	3,266	+0,0356	−0,019	8.9723	8.1358	0.5140	+8.8243
4264	Centauri .....γ	3	33 16,31	3,286	+0,0395	−0,020	8.9950	8.1599	0.5167	+8.8669
4265*	Crucis	6	33 21,33	3,392	+0,0610	−0,002	9.1057	8.2718	0.5304	+9.0382
4266	Centauri	6	33 39,94	3,339	+0,0495	−0,023	9.0493	8.2195	0.5237	+8.9570
4267	27 Virginis	6	34 0,82	3,031	−0,0038	−0,008	8.8275	8.0022	0.4816	−8.1178
4268*	29 Virginis .....γ	4	34 3,76	3,073	+0,0022	−0,033	8.8191	7.9944	0.4875	+6.8577
4269	28 Virginis	6	34 12,59	3,094	+0,0054	+0,005	8.8220	7.9992	0.4905	+7.8873
4270	Centauri	6½	34 12,59	3,341	+0,0493	−0,036	9.0469	8.2241	0.5239	+8.9535
4271	30 Virginis .....ρ	5	34 17,41	3,032	−0,0037	+0,005	8.8272	8.0054	0.4817	−8.1103
4272	Centauri	5½	34 18,73	3,292	+0,0394	−0,018	8.9934	8.1719	0.5175	+8.8644
4273*	Crucis	6	34 20,19	3,357	+0,0522	−0,046	9.0618	8.2406	0.5259	+8.9758
4274	31 Virginis.....d^1	6	34 21,11	3,044	−0,0019	−0,003	8.8229	8.0019	0.4834	−7.9460
4275*	Crucis	6	12 34 39,30	+3,362	+0,0528	−0,011	−9.0642	−8.2471	+0.5266	+8.9794

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4231	64 43 18,6	+19,93	−0,050	.....	−9.6442	+9.6276	+1.2994	−9.0548	....	....	.....	....	....	B.F 1740
4232	64 53 21,3	19,93	0,050	+0,06	9.6445	+9.6249	1.2994	9.0554	1684	120	ii.1447			
4233	55 55 24,3	19,92	0,049	+0,07	9.6268	+9.7456	1.2994	9.0578	....	122	iii.1541	....	....	B.H 358
4234	112 33 59,6	19,92	0,053	+0,07	9.5519	−9.5811	1.2993	9.0624	1685	123	ii.1448	....	....	J 285
4235	47 49 35,7	19,92	0,050	−0,28	9.6014	+9.8240	1.2993	9.0639	1686	126	ii.1449			
4236	133 50 7,0	19,92	0,054	+0,17	9.3668	−9.8375	1.2993	9.0641	....	....	v.2202	5207	4105	
4237	90 34 51,3	19,92	0,052	+0,04	9.6362	−8.0030	1.2993	9.0654	....	125	iii.1542	....	....	M 516
4238	81 26 7,4	19,92	0,052	+0,05	9.6498	+9.1700	1.2992	9.0685	....	127	iii.1543			
4239	19 23 4,1	19,92	0,045	+0,04	9.4067	+9.9716	1.2992	9.0710	1689	129	ii.1450			
4240	66 32 37,3	19,91	0,052	0,00	9.6489	+9.5968	1.2991	9.0762	....	130	ii.1451	....	....	P 511
4241	70 47 49,5	19,91	0,053	+0,11	9.6525	+9.5139	1.2991	9.0794	1687	132	iv. 817			
4242	70 47 47,7	19,91	0,053	0,00	9.6525	+9.5139	1.2991	9.0797	1688	133	ii.1452			
4243	130 11 41,0	19,91	0,056	+0,06	9.4042	−9.8066	1.2990	9.0815	....	131	iii.1545	5211	4110	
4244	52 47	19,91	0,052	.....	9.6222	+9.7784	1.2990	9.0841	....	....	.....	....	....	A
4245	158 18 28,7	19,90	0,063	0,00	8.6618	−9.9648	1.2989	9.0906	....	....	ii.1453	5213	4113	J286, R289
4246	19 9 2,0	19,90	0,047	+0,02	9.4133	+9.9720	1.2989	9.0915	1691	135	iii.1546	....	....	G 1908
4247	95 0 20,0	19,89	0,057	+0,09	9.6246	−8.9373	1.2987	9.1021	1690	136	ii.1454	....	....	M 517
4248	72 4 59,2	19,89	0,056	+0,04	9.6554	+9.4844	1.2986	9.1077	1692	137	ii.1455			
4249	8 55 19,1	19,89	0,037	.....	9.2883	+9.9911	1.2986	9.1086	....	....	.....	....	....	G 1909
4250	80 22 39,6	19,89	0,057	+0,10	9.6526	+9.2195	1.2986	9.1087	1693	139	iii.1547			
4251	137 42 49,2	19,89	0,061	−0,05	9.2945	−9.8655	1.2986	9.1088	....	....	ii.1456	5222	4120	J287, R290
4252	145 6 18,4	19,89	0,063	+0,21	9.1529	−9.9103	1.2986	9.1119	....	....	v.2211	5223	4122	
4253	116 18 29,2	19,89	0,060	+0,11	9.5206	−9.6429	1.2986	9.1122	....	140	ii.1457	5225	4123	
4254	87 19 9,2	19,88	0,060	+0,09	9.6433	+8.6661	1.2983	9.1260	....	142	ii.1458	....	....	W 687
4255	93 32 48,8	19,87	0,061	−0,04	9.6282	−8.7875	1.2982	9.1300	....	143	ii.1459	....	....	W 688
4256	119 35 43,5	19,87	0,063	+0,02	9.4921	−9.6896	1.2982	9.1312	....	....	v.2214	5229	4133	
4257	97 10 7,4	19,87	0,062	+0,04	9.6165	−9.0921	1.2981	9.1369	1694	146	ii.1460	....	....	M 518
4258	48 17 56,6	19,87	0,058	+0,03	9.6184	+9.8189	1.2981	9.1373	1696	150	iii.1551			
4259	97 12 20,2	19,86	0,062	+0,15	9.6162	−9.0943	1.2981	9.1387	....	147	iv. 820			
4260	68 6 38,5	19,86	0,060	−0,01	9.6571	+9.5673	1.2981	9.1389	1695	151	ii.1461			
4261	95 16 33,3	19,86	0,062	+0,09	9.6226	−8.9594	1.2980	9.1405	....	152	iii.1553	....	....	M 519
4262	129 9 37,5	19,86	0,065	+0,06	9.3966	−9.7962	1.2980	9.1405	....	149	ii.1462	5231	4135	
4263	135 19 28,7	19,85	0,069	+0,05	9.3066	−9.8474	1.2977	9.1589	....	153	iii.1554	5242	4146	
4264	138 8 6,9	19,84	0,069	+0,05	9.2598	−9.8674	1.2976	9.1604	....	....	ii.1463	5243	4147	J288, R291
4265	148 51 43,8	19,84	0,072	+0,02	9.0013	−9.9278	1.2976	9.1615	....	....	v.2218	5241	4148	R 292
4266	143 56 15,2	19,84	0,071	+0,24	9.1374	−9.9029	1.2975	9.1654	....	....	v.2220	5246	4153	
4267	78 44 57,8	19,84	0,065	+0,03	9.6575	+9.2855	1.2974	9.1699	1697	156	ii.1464			
4268	90 37 33,6	19,83	0,066	+0,02	9.6358	−8.0337	1.2974	9.1705	1698 1699	157 158	ii.1466	....	4159	M520, J289
4269	96 40 25,7	19,83	0,067	+0,02	9.6167	−9.0604	1.2974	9.1724	1700	159	ii.1467			
4270	143 42 53,1	19,83	0,073	+0,17	9.1364	−9.9015	1.2974	9.1724	....	....	v.2223	5248	4158	
4271	78 56 9,4	19,83	0,066	+0,09	9.6575	+9.2782	1.2973	9.1734	1701	160	ii.1468			
4272	137 59 12,9	19,83	0,072	−0,16	9.2543	−9.8661	1.2973	9.1736	....	....	v.2224	5250	4161	R 293
4273	145 7 28,6	19,83	0,073	+0,31	9.0990	−9.9091	1.2973	9.1740	....	....	v.2225	5249	4160	R 294
4274	82 22 9,8	19,83	0,066	+0,04	9.6531	+9.1183	1.2973	9.1741	1702	161	ii.1469			
4275	145 21 14,9	+19,83	−0,074	+0,37	−9.0892	−9.9103	+1.2972	−9.1779	....	....	v.2226	5251	4163	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4276	76 Ursæ Majoris	6	12 34 59,47	+2,662	−0,0416	−0,005	−9.1699	−8.3570	+0.4252	−9.1218
4277*	Virginis	6	35 55,41	3,073	+0,0024	.....	8.8186	8.0174	0.4876	+6.9347
4278	Hydræ	6	36 1,61	3,180	+0,0185	+0,003	8.8706	8.0706	0.5024	+8.5350
4279	Crucis ..... ι	5½	36 52,02	3,444	+0,0659	+0,028	9.1214	8.3316	0.5371	+9.0596
4280	Muscæ .....β	4	37 8,73	3,586	+0,0961	−0,009	9.2314	8.4450	0.5546	+9.1964
4281	Ursæ Minoris	6	37 13,01	0,839	+0,1400	.....	9.8340	9.0484	9.9238	−9.8320
4282	Canum Ven.....	6	37 21,52	2,854	−0,0231	.....	8.9681	8.1841	0.4555	−8.8170
4283	Centauri	6½	37 35,18	3,369	+0,0501	−0,011	9.0466	8.2654	0.5275	+8.9534
4284	Centauri	6	37 47,57	3,392	+0,0542	−0,031	9.0667	8.2879	0.5305	+8.9836
4285*	10 Canum Ven.....	6	37 52,93	2,885	−0,0197	−0,029	8.9343	8.1565	0.4602	−8.7432
4286	32 Virginis.....d^2	6½	38 2,61	3,038	−0,0022	−0,002	8.8227	8.0468	0.4825	−7.9921
4287	Canum Ven.....	6	38 3,99	2,840	−0,0241	.....	8.9782	8.2026	0.4533	−8.8370
4288	33 Virginis	6	38 45,32	3,029	−0,0031	+0,022	8.8248	8.0572	0.4814	−8.0805
4289	Crucis .....β	2	38 59,94	3,445	+0,0628	−0,002	9.1041	8.3392	0.5372	+9.0365
4290	27 Comæ	5	39 9,07	2,999	−0,0066	+0,004	8.8379	8.0747	0.4770	−8.3136
4291	Virginis	6	39 25,48	3,043	−0,0013	+0,011	8.8205	8.0604	0.4834	−7.8922
4292	34 Virginis	6	39 40,48	3,018	−0,0043	+0,005	8.8283	8.0710	0.4798	−8.1730
4293	Octantis ..... ι	5	39 45,57	5,384	+0,7414	+0,012	9.8206	9.0643	0.7311	+9.8185
4294	Virginis	6½	39 48,38	3,093	+0,0050	−0,005	8.8193	8.0635	0.4904	+7.7993
4295	Muscæ	6	40 7,99	3,754	+0,1268	+0,014	9.3083	8.5561	0.5744	+9.2844
4296	35 Virginis	6	40 13,22	3,053	0,0000	+0,002	8.8185	8.0672	0.4847	−7.7026
4297	Hydræ	6	40 27,11	3,189	+0,0182	−0,007	8.8664	8.1177	0.5037	+8.5201
4298	Ursæ Minoris	6	40 35,91	1,505	+0,0062	.....	9.6445	8.8975	0.1774	−9.6397
4299	28 Comæ	6½	40 43,43	3,010	−0,0050	−0,002	8.8308	8.0851	0.4786	−8.2257
4300	Ursæ Majoris	6	40 53,16	2,593	−0,0385	.....	9.1690	8.4250	0.4137	−9.1211
4301	29 Comæ	6	41 23,16	3,007	−0,0052	+0,005	8.8317	8.0932	0.4781	−8.2431
4302*	7 Draconis	6	41 26,09	2,487	−0,0419	+0,041	9.2360	8.4979	0.3957	−9.2019
4303*	11 Canum Ven.....	6	41 47,37	2,789	−0,0256	+0,017	9.0022	8.2679	0.4454	−8.8819
4304	30 Comæ	6	41 58,53	2,939	−0,0122	−0,007	8.8722	8.1399	0.4682	−8.5490
4305*	Ursæ Majoris	6	42 6,04	2,628	−0,0356	.....	9.1329	8.4019	0.4196	−9.0753
4306	Virginis	7	42 21,81	3,100	+0,0059	−0,017	8.8195	8.0913	0.4914	+7.8938
4307	Centauri	6	42 25,86	3,385	+0,0476	+0,026	9.0268	8.2993	0.5296	+8.9231
4308	Crucis	6	42 27,25	3,489	+0,0657	0,000	9.1111	8.3839	0.5427	+9.0465
4309	Centauri	6	42 33,95	3,232	+0,0236	+0,001	8.8937	8.1676	0.5095	+8.6319
4310	Virginis	7	42 44,05	3,040	−0,0012	+0,003	8.8196	8.0953	0.4829	−7.9083
4311*	Canum Ven.....	6	43 2,71	2,873	−0,0178	.....	8.9217	8.2006	0.4584	−8.7142
4312	Virginis	6½	43 34,81	3,113	+0,0075	−0,007	8.8220	8.1064	0.4932	+8.0406
4313	Centauri	5½	43 42,33	3,275	+0,0292	−0,011	8.9246	8.2103	0.5152	+8.7222
4314	37 Virginis	6	43 58,92	3,053	+0,0004	+0,002	8.8169	8.1053	0.4848	−7.6465
4315	31 Comæ	5½	44 23,39	2,932	−0,0119	+0,003	8.8712	8.1638	0.4671	−8.5479
4316	Centauri	6	44 25,64	3,427	+0,0524	−0,009	9.0479	8.3409	0.5349	+8.9566
4317	Centauri	5½	44 39,42	3,359	+0,0412	−0,007	8.9912	8.2864	0.5263	+8.8631
4318	32 Comæ	7	44 44,59	2,987	−0,0065	+0,001	8.8371	8.1332	0.4752	−8.3246
4319	33 Comæ	7	44 55,11	2,986	−0,0065	+0,011	8.8371	8.1350	0.4752	−8.3254
4320	Crucis .....ϰ	neb.	12 44 56,42	+3,514	+0,0667	+0,126	−9.1109	−8.4089	+0.5458	+9.0465

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
4276	26 27 45,5	+19,82	−0,059	+0,05	−9.5180	+9.9469	+1.2971	−9.1821	1703	....	iii.1557			
4277	90 44 54,8	19,81	0,070	.....	9.6354	−8.1108	1.2969	9.1934	....	....	.....	....	....	B.F 1762
4278	117 29 55,2	19,81	0,073	+0,04	9.4950	−9.6590	1.2968	9.1947	....	168	ii.1470	5263	4172	W 693
4279	150 9 21,6	19,80	0,080	−0,08	8.8871	−9.9326	1.2966	9.2046	....	....	v.2235	5265	4178	R 295
4280	157 17 8,2	19,79	0,084	+0,01	8.2718	−9.9592	1.2965	9.2078	....	....	ii.1471	5267	4179	J 290, R 296
4281	5 31 57,8	19,79	0,020	.....	9.3069	+9.9922	1.2965	9.2086	....	....	.....	....	....	G 1923
4282	45 4 30,8	19,79	0,068	.....	9.6252	+9.8431	1.2964	9.2103	....	....	.....	....	....	G 1919
4283	143 47 25,6	19,79	0,080	+0,11	9.0959	−9.9009	1.2964	9.2129	....	....	v.2236	5272	4180	
4284	145 40 5,3	19,78	0,081	+0,36	9.0382	−9.9109	1.2963	9.2153	....	....	v.2237	5273	4182	
4285	49 54 20,5	19,78	0,069	−0,12	9.6415	+9.8030	1.2963	9.2163	1705	171	iii.1560			
4286	81 30 20,2	19,78	0,073	+0,04	9.6567	+9.1634	1.2962	9.2181	1704	172	iii.1561			
4287	43 44 20,8	19,78	0,069	.....	9.6227	+9.8528	1.2962	9.2184	....	....	.....	....	....	G 1922
4288	79 37 15,1	19,77	0,074	+0,50	9.6601	+9.2494	1.2960	9.2261	1706	173	ii.1472			
4289	148 52 0,4	19,77	0,085	−0,06	8.8998	−9.9261	1.2959	9.2288	....	....	ii.1473	5277	4189	J 291, R 297
4290	72 36 4,7	19,76	0,074	−0,01	9.6674	+9.4693	1.2959	9.2305	....	177	ii.1474	....	....	W 695
4291	83 13 32,9	19,76	0,076	+0,01	9.6543	+9.0653	1.2958	9.2334	....	180	iii.1565			
4292	77 13 16,5	19,76	0,076	+0,06	−9.6640	+9.3382	1.2957	9.2362	1707	182	ii.1475			
4293	174 18 14,1	19,75	0,136	−0,33	+9.1096	−9.9913	1.2957	9.2371	....	....	.....	5268	4187	R 298
4294	95 28 47,9	19,75	0,078	0,00	−9.6186	−8.9734	1.2956	9.2376	....	183	ii.1476	....	....	M 522
4295	161 9 59,9	19,75	0,095	+0,01	+8.3945	−9.9694	1.2955	9.2411	....	....	.....	5279	4195	
4296	85 36 28,0	19,75	0,078	+0,05	−9.6494	+8.8774	1.2955	9.2420	1708	184	ii.1477			
4297	116 46 31,0	19,74	0,082	+0,13	9.4890	−9.6469	1.2954	9.2445	....	....	v.2242	5285	4198	
4298	8 33 20,8	19,74	0,039	.....	9.3782	+9.9883	1.2954	9.2461	....	....	.....	....	....	G 1927
4299	75 37 34,6	19,74	0,078	+0,05	9.6668	+9.3880	1.2953	9.2474	1709	186	iii.1568			
4300	26 23 56,3	19,74	0,067	.....	9.5463	+9.9452	1.2953	9.2491	....	....	.....	....	....	G 1926
4301	75 3 29,2	19,73	0,079	+0,06	9.6680	+9.4042	1.2951	9.2543	1710	189	ii.1478			
4302	22 23 22,9	19,73	0,065	−0,01	9.5206	+9.9588	1.2951	9.2548	1713	190	iii.1571	....	....	G 1928
4303	40 42 55,4	19,72	0,074	+0,05	9.6238	+9.8724	1.2950	9.2585	1712	191	iii.1572	....	....	G 1929
4304	61 37 44,4	19,72	0,078	−0,05	9.6705	+9.6695	1.2949	9.2604	1711	192	ii.1479			
4305	28 51 40,4	19,72	0,070	.....	9.5676	+9.9350	1.2949	9.2617	....	....	.....	....	....	B.F 1774
4306	96 48 51,4	19,71	0,083	+0,04	9.6118	−9.0668	1.2948	9.2643	....	193	iii.1573	....	....	M 523
4307	141 58 5,4	19,71	0,091	−0,03	9.0878	−9.8889	1.2947	9.2650	....	....	v.2251	5294	4210	R 299
4308	149 30 41,4	19,71	0,094	+0,10	8.7889	−9.9279	1.2947	9.2653	....	....	v.2250	5293	4209	
4309	123 10 47,8	19,71	0,087	+0,05	9.4185	−9.7307	1.2947	9.2664	....	194	iii.1574	5296	4212	
4310	82 57 13,6	1971	0,082	+0,07	9.6565	+9.0811	1.2946	9.2681	....	195	iii.1575			
4311	51 39 59,4	19,70	0,078	.....	9.6592	+9.7849	1.2945	9.2712	....	....	.....	....	....	B.H 359
4312	99 31 15,4	19,69	0,086	+0,07	9.5985	−9.2107	1.2943	9.2765	....	196	ii.1480	....	....	M 524
4313	128 51 50,2	19,69	0,091	+0,50	9.3404	−9.7896	1.2943	9.2777	....	....	v.2253	5300	4217	
4314	86 7 35,4	19,69	0,085	−0,02	9.6492	+8.8216	1.2942	9.2804	1714	199	ii.1481			
4315	61 38 27,5	19,68	0,082	0,00	9.6751	+9.6685	1.2940	9.2844	1715	200	ii.1482			
4316	144 8 4,4	19,68	0,096	−0,26	8.9917	−9.9005	1.2940	9.2848	....	....	v.2256	5305	4222	
4317	138 7 34,2	19,68	0,095	+0,24	9.1629	−9.8636	1.2939	9.2870	....	....	v.2259	5308	4225	R 301
4318	72 6 30,7	19,67	0,085	+0,02	9.6745	+9.4791	1.2939	9.2878	1716	204	iii.1579			
4319	72 4 23,9	19,67	0,085	+0,06	9.6747	+9.4799	1.2938	9.2895	1717	206	iii.1580			
4320	149 33 50,0	+19,67	−0,100	+1,03	−8.7143	−9.9272	+1.2938	−9.2897	....	....	v.2261	5306	4227	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4321	Centauri	5	12 45 8,75	+3,285	+0,0299	+0,002	−8.9272	−8.2273	+0.5166	+8.7294
4322	Virginis	7	45 18,22	3,137	+0,0102	+0,015	8.8288	8.1304	0.4965	+8.2170
4323	38 Virginis	6	45 30,64	3,083	+0,0039	−0,011	8.8158	8.1195	0.4890	+7.4947
4324	Crucis .....λ	6	45 46,44	3,501	+0,0633	−0,026	9.0950	8.4013	0.5441	+9.0250
4325*	Centauri	5	45 49,29	3,470	+0,0579	+0,003	9.0717	8.3784	0.5403	+8.9921
4326	39 Virginis	7	45 49,75	3,109	+0,0069	+0,008	8.8197	8.1265	0.4926	+7.9763
4327	Centauri	6	45 50,87	3,470	+0,0579	.....	9.0716	8.3786	0.5403	+8.9920
4328*	35 Comæ	5	45 54,38	2,963	−0,0084	−0,003	8.8482	8.1557	0.4717	−8.4229
4329*	41 Virginis	6	46 17,95	3,008	−0,0040	+0,008	8.8267	8.1380	0.4782	−8.1864
4330	40 Virginis .....ψ	5	46 33,60	3,112	+0,0071	+0,004	8.8199	8.1338	0.4930	+8.0008
4331	Centauri	6	46 38,67	3,326	+0,0348	−0,012	8.9531	8.2677	0.5219	+8.7895
4332	Centauri	6	46 58,62	3,317	+0,0332	+0,003	8.9443	8.2622	0.5207	+8.7707
4333	Centauri	5½	47 9,60	3,476	+0,0574	−0,002	9.0673	8.3869	0.5411	+8.9860
4334	Muscæ	6	47 14,48	3,716	+0,1005	.....	9.2232	8.5435	0.5701	+9.1873
4335	77 Ursæ Majoris .. #	3	47 24,92	2,651	−0,0298	+0,017	9.0758	8.3978	0.4235	−8.9983
4336	Virginis	7	47 35,58	3,028	−0,0017	.....	8.8195	8.1432	0.4812	−7.9992
4337	Virginis	7	47 40,39	3,088	+0,0045	+0,005	8.8154	8.1398	0.4897	+7.6240
4338	Muscæ	6½	47 56,61	3,729	+0,1016	0,000	9.2251	8.5520	0.5716	+9.1895
4339*	Ursæ Minoris	5½	47 57,21	0,321	+0,2314	−0,017	9.8123	9.1393	9.5061	−9.8101
4340	43 Virginis .....δ	3	48 3,06	3,050	+0,0006	−0,027	8.8155	8.1434	0.4843	−7.6816
4341	Canum Ven.....	6	48 4,68	2,761	−0,0233	.....	8.9889	8.3171	0.4411	−8.8600
4342*	Ursæ Minoris	5½	48 4,71	0,316	+0,2321	−0,028	9.8119	9.1401	9.4994	−9.8097
4343	Hydræ	6	48 26,51	3,205	+0,0179	−0,008	8.8592	8.1908	0.5059	+8.4955
4344*	Centauri	6	48 28,23	3,410	+0,0458	+0,003	9.0096	8.3414	0.5327	+8.8963
4345*	Canum Ven.....	7	48 58,83	2,840	−0,0174	−0,019	8.9242	8.2607	0.4533	−8.7242
4346	12 Canum Ven.....α	2½	49 0,37	2,840	−0,0175	−0,017	8.9242	8.2610	0.4533	−8.7243
4347*	8 Draconis	6	49 29,29	2,420	−0,0354	+0,014	9.2087	8.5499	0.3837	−9.1703
4348*	Ursæ Majoris	6	49 42,23	2,661	−0,0277	−0,015	9.0541	8.3972	0.4251	−8.9670
4349*	Muscæ	neb.	49 49,91	3,864	+0,1245	.....	9.2801	8.6244	0.5871	+9.2532
4350	Canum Ven.....	6	50 16,16	2,759	−0,0222	.....	8.9795	8.3277	0.4407	−8.8436
4351	36 Comæ	4½	51 30,25	2,973	−0,0062	+0,001	8.8352	8.1943	0.4731	−8.3303
4352	44 Virginis ..... k	6	51 56,16	3,086	+0,0044	+0,002	8.8133	8.1761	0.4895	+7.5321
4353	Muscæ ..... δ	4	52 2,64	3,932	+0,1328	+0,063	9.2942	8.6580	0.5946	+9.2692
4354	Muscæ	7	52 10,25	3,834	+0,1129	.....	9.2469	8.6118	0.5836	+9.2154
4355	Centauri	6	52 20,99	3,265	+0,0238	0,000	8.8874	8.2538	0.5139	+8.6199
4356	Centauri	7	52 29,09	3,593	+0,0700	+0,060	9.1116	8.4791	0.5555	+9.0485
4357	Centauri	6	52 50,19	3,268	+0,0240	−0,001	8.8878	8.2583	0.5142	+8.6217
4358	46 Virginis	6½	52 52,75	3,084	+0,0042	+0,001	8.8127	8.1836	0.4892	+7.4627
4359	Muscæ	7	52 58,39	3,944	+0,1329	−0,024	9.2923	8.6640	0.5959	+9.2671
4360*	37 Comæ	5	53 5,57	2,882	−0,0128	+0,003	8.8818	8.2546	0.4597	−8.6011
4361	Centauri	7	53 39,32	3,606	+0,0706	.....	9.1121	8.4896	0.5571	+9.0493
4362	38 Comæ	6	53 44,32	2,970	−0,0059	+0,001	8.8335	8.2117	0.4728	−8.3219
4363	Virginis	7	53 51,69	3,058	+0,0017	+0,020	8.8122	8.1914	0.4854	−7.4212
4364*	Comæ	6	54 13,49	2,944	−0,0079	.....	8.8447	8.2269	0.4689	−8.4198
4365	9 Draconis	6	12 54 13,70	+2,317	−0,0325	−0,020	−9.2271	−8.6094	+0.3650	−9.1924

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4321	129 21 42,1	+19,67	−0,094	+0,10	−9.3251	−9.7938	+1.2937	−9.2916	....	205	ii.1483	5312	4232	J292, R302
4322	104 8 59,4	19,67	0,090	−0,04	−9.5715	−9.3797	1.2937	9.2931	....	207	iii.1581			
4323	92 44 12,0	19,66	0,089	+0,03	−9.6275	−8.6703	1.2936	9.2951	1718	208	ii.1484	....	....	M 525
4324	148 19 52,7	19,66	0,101	+0,16	−8.7701	−9.9213	1.2935	9.2976	....	....	.....	5316	4236	R 304
4325	146 21 40,3	19,66	0,101	−0,09	−8.8756	−9.9117	1.2935	9.2980	....	....	v.2267	5317	4237	J 293
4326	98 14 46,1	19,66	0,090	+0,08	−9.6031	−9.1479	1.2935	9.2981	....	210	iii.1583			
4327	146 21 9,0	19,66	0,101	.....	−8.8751	−9.9116	1.2935	9.2982	....	....	v.2268	....	4238	
4328	67 56 16,3	19,65	0,086	+0,04	−9.6784	+9.5660	1.2935	9.2988	1719	212	ii.1486	....	....	P 516
4329	76 45 54,7	19,65	0,088	+0,05	−9.6705	+9.3508	1.2933	9.3024	1720	213	ii.1487	....	....	W 704
4330	98 43 20,0	19,64	0,092	+0,02	−9.6002	−9.1718	1.2932	9.3048	1721	214	ii.1488	....	....	M 526
4331	133 19 37,3	19,64	0,098	+0,31	−9.2480	−9.8274	1.2932	9.3056	....	....	v.2269	5319	424c	
4332	132 6 0,6	19,64	0,098	+0,04	−9.2683	−9.8172	1.2930	9.3087	....	218	iii.1586	5322	4242	
4333	146 1 16,6	19,63	0,104	+0,18	−8.8639	−9.9094	1.2930	9.3103	....	....	v.2270	5321	4244	R 305
4334	157 1 26,6	19,63	0,111	.....	+8.2788	−9.9548	1.2929	9.3111	....	....	.....	....	4243	
4335	33 13 30,2	19,63	0,079	+0,06	−9.6124	+9.9131	1.2929	9.3126	1722	220	ii.1489			
4336	81 18 0,7	19,62	0,091	.....	−9.6629	+9.1703	1.2928	9.3142	....	....	ii.1490	....	....	Z 886
4337	93 41 26,2	19,62	0,093	−0,14	−9.6230	−8.7992	1.2928	9.3150	....	219	iii.1587			
4338	157 8 38,6	19,62	0,113	−0,30	+8.3579	−9.9549	1.2927	9.3174	....	....	.....	5323	4247	R 306
4339	5 45 59,8	19,62	0,010	+0,01	−9.3985	+9.9882	1.2926	9.3175	1730	230	iii.1588	....	....	B.H 257
4340	85 47 11,0	19,62	0,093	+0,09	−9.6514	+8.8565	1.2926	9.3183	1723	223	ii.1491	....	....	M 527
4341	41 59 19,6	19,62	0,084	.....	−9.6485	+9.8615	1.2926	9.3186	....	....	.....	....	....	G 1933
4342	5 46 17,5	19,62	0,010	−0,02	−9.3993	+9.9882	1.2926	9.3186	1731	232	iii.1589	....	....	B.H 257
4343	115 38 42,7	19,61	0,098	−0,14	−9.4777	−9.6265	1.2925	9.3218	....	....	v.2275	5332	4255	
4344	140 23 8,1	19,61	0,104	+0,11	−9.0607	−9.8769	1.2924	9.3221	....	....	v.2274	5331	4254	R 307
4345	50 52 28,3	19,60	0,088	.....	−9.6726	+9.7901	1.2922	9.3265	1724					
4346	50 52 14,2	19,60	0,088	−0,04	−9.6726	+9.7901	1.2922	9.3268	1725	226	ii.1492			
4347	23 44 46,7	19,59	0,076	+0,06	−9.5693	+9.9514	1.2920	9.3309	1727	228	iii.1591	....	....	G 1939
4348	35 5 15,4	19,59	0,084	+0,02	−9.6290	+9.9026	1.2919	9.3328	1726	....	.....	....	....	G1941 A290
4349	160 1 42,6	19,58	0,122	.....	+8.7372	−9.9627	1.2919	9.3339	....	....	.....	5335		
4350	43 0 29,4	19,58	0,088	.....	−9.6581	+9.8535	1.2917	9.3376	....	....	.....	....	....	G 1942
4351	71 46 48,7	19,55	0,097	−0,06	−9.6830	+9.4840	1.2912	9.3480	1728	236	ii.1493			
4352	93 0 1,9	19,54	0,101	−0,03	−9.6249	−8.7076	1.2910	9.3516	1729	237	ii.1495	....	....	M 528
4353	160 44 16,9	19,54	0,129	+0,01	+8.8407	−9.9637	1.2909	9.3525	....	....	ii.1494	5349	4280	J294, R308
4354	158 25 11,3	19,54	0,126	.....	+8.7016	−9.9571	1.2909	9.3535	....	....	.....	....	....	R 309
4355	122 41 26,9	19,53	0,108	+0,02	−9.3854	−9.7211	1.2908	9.3550	....	238	iii.1597	5357	4285	
4356	149 51 22,7	19,53	0,119	−0,73	−8.3345	−9.9254	1.2907	9.3561	....	....	.....	5354	4284	R 310
4357	122 48 44,3	19,52	0,109	−0,07	−9.3818	−9.7223	1.2906	9.3589	....	239	iii.1598	536c		
4358	92 33 35,6	19,52	0,103	−0,07	−9.6267	−8.6383	1.2906	9.3592	1732	241	ii.1496			
4359	160 40 5,6	19,52	0,132	+0,07	+8.8603	−9.9631	1.2905	9.3600	....	....	.....	5356	4286	R 311
4360	58 24 13,4	19,52	0,097	−0,02	−9.6901	+9.7075	1.2905	9.3610	1733	242	ii.1497	....	....	P 524
4361	149 56 5,6	19,51	0,122	.....	−8.2201	−9.9252	1.2902	9.3655	....	....	v.2290	....	4291	R 312
4362	72 3 58,1	19,51	0,101	+0,02	−9.6852	+9.4764	1.2902	9.3661	1734	245	ii.1498			
4363	87 40 13,2	19,50	0,104	+0,06	−9.6465	+8.5970	1.2901	9.3671	....	246	iv. 836			
4364	67 55 11,1	19,50	0,101	.....	−9.6904	+9.5628	1.2900	9.3700	....	....	.....	....	....	B.F 1795
4365	22 35 32,6	+19,50	−0,079	+0,03	−9.5833	+9.9531	+1.2900	−9.3700	1737	250	iii.1603			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precss.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4366*	78 Ursæ Majoris	5	12 54 16,93	+2,584	−0,0278	+0,017	−9.0776	−8.4603	+0.4123	−9.0020
4367	47 Virginis ..... *s*	3	54 42,83	3,005	−0,0028	−0,012	8.8206	8.2069	0.4778	−8.1301
4368*	Centauri ..... ξ^1	5½	54 54,92	3,432	+0,0438	+0,012	8.9920	8.3799	0.5356	+8.8679
4369	Centauri	6	55 31,30	3,282	+0,0248	+0,015	8.8897	8.2826	0.5162	+8.6309
4370	Muscæ	6½	55 35,00	3,718	+0,0862	−0,016	9.1635	8.5569	0.5704	+9.1158
4371	Draconis	6	55 54,65	2,396	−0,0309	−0,011	9.1756	8.5716	0.3795	−9.1308
4372*	Centauri	7	56 0,85	3,623	+0,0702	.....	9.1071	8.5040	0.5591	+9.0430
4373	48 Virginis	6	56 10,83	3,087	+0,0046	−0,002	8.8113	8.2095	0.4895	+7.5085
4374*	Centauri	6	56 22,63	3,348	+0,0322	+0,003	8.9289	8.3287	0.5247	+8.7405
4375	Chamæleontis	6	56 25,95	4,558	+0,2631	−0,091	9.4800	8.8803	0.6587	+9.4698
4376	Centauri	6	56 30,14	3,412	+0,0401	−0,039	8.9713	8.3721	0.5330	+8.8305
4377	Centauri	5½	57 36,98	3,436	+0,0424	−0,003	8.9817	8.3913	0.5360	+8.8504
4378*	Centauri	6	58 7,30	3,360	+0,0328	+0,023	8.9306	8.3442	0.5263	+8.7456
4379	Centauri ..... ξ^2	5	58 11,03	3,458	+0,0450	+0,006	8.9937	8.4078	0.5389	+8.8722
4380	Centauri	6	58 12,43	3,631	+0,0690	−0,001	9.0986	8.5129	0.5600	+9.0319
4381	Muscæ ..... θ	5½	58 29,62	3,778	+0,0916	+0,005	9.1757	8.5922	0.5773	+9.1312
4382	Virginis	6½	58 32,49	3,156	+0,0109	0,000	8.8229	8.2398	0.4991	+8.2100
4383	Centauri	6	58 34,76	3,308	+0,0265	+0,021	8.8965	8.3137	0.5195	+8.6557
4384	14 Canum Ven.....	5	58 43,41	2,819	−0,0148	+0,006	8.9049	8.3232	0.4501	−8.6803
4385	Centauri	6	58 45,63	3,515	+0,0520	−0,011	9.0266	8.4451	0.5459	+8.9269
4386*	Centauri	6½	58 59,20	3,567	+0,0590	−0,008	9.0571	8.4774	0.5523	+8.9736
4387	39 Comæ	5	59 2,53	2,933	−0,0074	−0,001	8.8421	8.2628	0.4673	−8.4149
4388	40 Comæ	6	59 4,35	2,923	−0,0081	+0,004	8.8467	8.2676	0.4658	−8.4460
4389	Canum Ven.....	6	59 6,59	2,717	−0,0198	.....	8.9681	8.3894	0.4340	−8.8256
4390	41 Comæ	4	12 59 58,74	2,883	−0,0105	+0,005	8.8647	8.2926	0.4599	−8.5424
4391	49 Virginis..... *g*	5	13 0 2,73	3,131	+0,0086	+0,006	8.8154	8.2438	0.4957	+8.0524
4392	Ursæ Majoris	6	0 26,97	2,391	−0,0281	+0,024	9.1493	8.5808	0.3786	−9.0986
4393	Comæ	6	0 42,47	2,882	−0,0104	−0,007	8.8640	8.2974	0.4596	−8.5407
4394*	Virginis	5½	0 43,47	3,121	+0,0076	.....	8.8129	8.2464	0.4943	+7.9661
4395	45 Hydræ ..... ψ	4½	0 59,31	3,215	+0,0163	+0,004	8.8422	8.2776	0.5072	+8.4216
4396	Virginis	6	1 45,46	3,171	+0,0120	.....	8.8245	8.2657	0.5012	+8.2572
4397	50 Virginis	6	1 54,61	3,131	+0,0083	+0,004	8.8139	8.2562	0.4956	+8.0328
4398	Chamæleontis	6	1 58,77	4,701	+0,2741	−0,028	9.4774	8.9202	0.6722	+9.4672
4399	Centauri	7	2 3,11	3,509	+0,0486	.....	9.0067	8.4501	0.5451	+8.8958
4400	Centauri	6	2 4,85	3,525	+0,0506	+0,014	9.0162	8.4598	0.5471	+8.9113
4401	51 Virginis..... θ	4½	2 11,34	3,100	+0,0058	+0,001	8.8092	8.2536	0.4914	+7.7261
4402	Centauri	6	2 19,00	3,761	+0,0835	.....	9.1433	8.5886	0.5753	+9.0912
4403	Comæ	6½	2 25,53	2,956	−0,0051	+0,003	8.8285	8.2747	0.4707	−8.3103
4404	Centauri	6	2 28,56	3,606	+0,0611	−0,006	9.0613	8.5077	0.5571	+8.9804
4405	Centauri	6	2 37,69	3,389	+0,0340	−0,017	8.9326	8.3802	0.5301	+8.7533
4406	42 Comæ ..... α	4½	2 41,49	2,951	−0,0053	−0,027	8.8301	8.2781	0.4700	−8.3275
4407*	Canum Ven.....	6	2 43,49	2,786	−0,0150	.....	8.9122	8.3605	0.4450	−8.7037
4408	15 Canum Ven.....	5½	2 47,38	2,774	−0,0156	+0,002	8.9190	8.3677	0.4431	−8.7209
4409	Centauri	5	2 50,02	3,403	+0,0355	−0,005	8.9402	8.3893	0.5319	+8.7705
4410*	Centauri	7	13 2 50,76	+3,611	+0,0613	−0,079	−9.0616	−8.5108	+0.5576	+8.9810

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
4366	32 49 24,0	+19,50	−0,088	−0,02	−9.6359	+9.9122	+1.2899	−9.3704	1736	248	iii.1602	....	....	G 1948
4367	78 13 58,3	19.49	0,104	−0,03	−9.6749	+9.2970	1.2897	9.3738	1735	249	ii.1499	....	....	M 529
4368	138 43 12,1	19.48	0,119	+0,32	−9.0330	−9.8633	1.2896	9.3754	....	....	v.2294	5370	4299	
4369	123 26 34,5	19.47	0,115	0,00	−9.3615	−9.7284	1.2894	9.3800	....	251	iii.1604	5376	4302	
4370	153 37 54,9	19.47	0,130	−0,19	+8.3522	−9.9394	1.2893	9.3805	....	....	.....	5372	4301	R 313
4371	25 34 59,0	19,46	0,084	−0,02	−9.6078	+9.9421	1.2892	9.3830	....	255	iii.1606	....	....	G 1950
4372	149 38 4,8	19.46	0,128	.....	−8.0253	−9.9228	1.2891	9.3838	....	....	.....	....	4305	R 314
4373	92 51 15,3	19.46	0,109	+0,02	−9.6246	−8.6840	1.2890	9.3850	1738	254	ii.1500	....	....	M 530
4374	130 23 23,6	19.45	0,119	+0,09	−9.2373	−9.7983	1.2890	9.3865	....	....	v.2298	5380	4310	
4375	167 38 14,9	19.45	0,162	−0,30	+9.1620	−9.9765	1.2889	9.3870	....	....	.....	5369	4306	
4376	136 18 46,8	19,45	0,121	+1,00	−9.0906	−9.8459	1.2889	9.3875	....	....	v.2299	5383	4311	
4377	137 39 23,3	19.43	0,125	+0,03	−9.0350	−9.8548	1.2884	9.3958	....	....	v.2302	5390	4316	R 315
4378	130 46 54,7	19.41	0,123	−0,02	−9.2167	−9.8009	1.2881	9.3995	....	....	v.2304	5397	4320	
4379	139 6 5,4	19.41	0,127	+0,21	−8.9745	−9.8643	1.2881	9.4000	....	....	ii.1501	5396	4321	J295, R317
4380	149 3 19,1	19.41	0,133	−0,08	−7.8808	−9.9192	1.2881	9.4001	....	....	v.2303	5392	4319	R 316
4381	154 30 9,0	19.41	0,139	+0,07	+8.6138	−9.9412	1.2879	9.4022	....	....	.....	5394	4323	
4382	104 6 41,9	19,40	0,116	0,00	−9.5555	−9.3727	1.2879	9.4026	....	262	ii.1502			
4383	125 3 18,2	19.40	0,122	+0,14	−9.3222	−9.7449	1.2879	9.4028	....	....	v.2305	5400	4324	
4384	53 23 48,3	19.40	0,104	−0,01	−9.6985	+9.7610	1.2878	9.4039	1739	266	ii.1503			
4385	142 39 18,0	19.40	0,130	+0,09	−8.7896	−9.8859	1.2878	9.4041	....	....	v.2307	5398	4325	R 318
4386	145 34 53,9	19,39	0,132	+0,12	−8.5478	−9.9019	1.2877	9.4058	....	....	v.2308	5402	4329	R 319
4387	68 2 22,6	19,39	0,109	+0,03	−9.6971	+9.5583	1.2877	9.4062	1740	267	ii.1504			
4388	66 34 34,1	19.39	0,109	−0,02	−9.6985	+9.5848	1.2876	9.4064	1741	269	ii.1505			
4389	43 55 42,8	19,39	0,101	.....	−9.6856	+9.8429	1.2876	9.4067	....	....	.....	....	....	G 1956
4390	61 34 6,9	19,37	0,109	+0,09	−9.7031	+9.6627	1.2872	9.4129	1743	273	ii.1507			
4391	99 56 13,7	19,37	0,118	+0,03	−9.5830	−9.2219	1.2871	9.4133	1742	272	ii.1506	....	4334	M 531
4392	27 9 9,9	19,36	0,091	+0,03	−9.6335	+9.9340	1.2869	9.4162	....	278	iii.1611	....	....	G 1959
4393	61 38 20,4	19,36	0,110	+0,11	−9.7044	+9.6613	1.2868	9.4180	1745	....	ii.1508	....	....	B.F 1807
4394	98 10 48,4	19,36	0,119	.....	−9.5936	−9.1377	1.2868	9.4181	....	....	.....	....	....	B.F 1805
4395	112 18 50,9	19,35	0,123	+0,06	−9.4794	−9.5639	1.2867	9.4199	1744	276	ii.1509	....	....	B.F 1806
4396	105 42 51,5	19,33	0,123	.....	−9.5386	−9.4168	1.2863	9.4252	....	....	v.2311	....	4343	
4397	99 31 41,2	19,33	0,122	+0,05	−9.5841	−9.2028	1.2862	9.4263	1746	280	ii.1510			
4398	167 38 31,2	19,33	0,183	−0,73	+9.2256	−9.9737	1.2861	9.4268	....	....	.....	5406	4340	R 320
4399	140 45 45,5	19,32	0,137	.....	−8.8280	−9.8729	1.2861	9.4273	....	....	.....	....	....	R 321
4400	141 45 55,8	19,32	0,138	+0,01	−8.7664	−9.8790	1.2861	9.4275	....	....	v.2313	5413	4346	
4401	94 44 12,7	19,32	0,121	+0,05	−9.6132	−8.9007	1.2860	9.4282	1747	281	ii.1511	....	....	M532, J297
4402	152 30 11,6	19,32	0,147	.....	+8.5775	−9.9317	1.2860	9.4291	....	....	.....	5411	....	R 322
4403	72 21 1,4	19,32	0,116	+0,10	−9.6947	+9.4654	1.2859	9.4298	....	283	iii.1613	....	....	B.F 1810
4404	146 6 32,3	19,31	0,142	+0,02	−8.2672	−9.9028	1.2859	9.4301	....	....	v.2315	5415	4350	R 323
4405	131 25 55,6	19,31	0,133	+0,12	−9.1667	−9.8043	1.2858	9.4312	....	....	v.2316	5420	4351	
4406	71 40 31,9	19,31	0,116	−0,14	−9.6963	+9.4810	1.2858	9.4316	1748	2	ii.1513			
4407	51 46 36,2	19,31	0,110	.....	−9.7060	+9.7750	1.2858	9.4318	....	....	.....	....	....	B.F 1812
4408	50 39 57,5	19,31	0,110	+0,02	−9.7052	+9.7855	1.2857	9.4323	1749	4	iii.1614			
4409	132 34 4,1	19,31	0,134	+0,07	−9.1351	−9.8137	1.2857	9.4326	....	1	ii.1512	5422	4353	
4410	146 9 39,8	+19,31	−0,143	.....	−8.2253	−9.9029	+1.2857	−9.4326	....	....	.....	5419	....	R 325

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4411	Muscæ	6	13 2 58,18	+3,864	+0,0987	+0,041	−9.1884	−8.6385	+0.5870	+9.1472
4412	Centauri	5½	2 58,93	3,677	+0,0704	+0,003	9.0970	8.5472	0.5655	+9.0306
4413	Virginis	7	2 59,71	3,130	+0,0083	−0,006	8.8130	8.2633	0.4955	+8.0216
4414	16 Canum Ven.....	7	3 7,44	2,771	−0,0157	−0,007	8.9200	8.3712	0.4426	−8.7237
4415	17 Canum Ven.....	6	3 9,42	2,773	−0,0155	−0,005	8.9185	8.3700	0.4429	−8.7202
4416	Ursæ Majoris	6	3 23,24	2,495	−0,0249	−0,001	9.0784	8.5315	0.3970	−9.0051
4417	Centauri	5½	3 42,79	3,347	+0,0290	−0,025	8.9046	8.3600	0.5247	+8.6841
4418	53 Virginis	5	4 5,03	3,172	+0,0119	+0,009	8.8226	8.2807	0.5014	+8.2464
4419*	Centauri	6	4 31,18	3,512	+0,0473	−0,057	8.9975	8.4587	0.5455	+8.8811
4420	18 Canum Ven.....	7	4 38,52	2,740	−0,0165	−0,010	8.9326	8.3946	0.4378	−8.7546
4421	43 Comæ .....β	4½	4 52,20	2,867	−0,0101	−0,056	8.8630	8.3266	0.4574	−8.5436
4422	Centauri	5½	5 0,09	3,676	+0,0682	−0,039	9.0856	8.5502	0.5654	+9.0155
4423	Virginis	6	5 5,06	2,989	−0,0024	−0,001	8.8163	8.2815	0.4755	−8.1467
4424	Muscæ	8	5 5,07	3,957	+0,1104	.....	9.2158	8.6809	0.5973	+9.1800
4425	Muscæ	6	5 5,29	4,041	+0,1245	−0,079	9.2495	8.7147	0.6064	+9.2193
4426	Muscæ .....η	5	5 9,35	3,958	+0,1105	−0,015	9.2160	8.6817	0.5975	+9.1803
4427	Centauri	6½	5 23,59	3,414	+0,0354	−0,018	8.9373	8.4047	0.5332	+8.7657
4428	54 Virginis	6½	5 27,49	3,193	+0,0136	+0,012	8.8278	8.2956	0.5042	+8.3184
4429	Centauri	6	5 55,76	3,494	+0,0443	−0,019	8.9815	8.4526	0.5434	+8.8536
4430	55 Virginis	6	6 9,93	3,203	+0,0144	−0,003	8.8303	8.3030	0.5055	+8.3460
4431	Virginis	7	6 18,89	3,056	+0,0025	−0,015	8.8058	8.2796	0.4851	−7.4009
4432	56 Virginis	7	6 53,27	3,136	+0,0086	−0,005	8.8112	8.2890	0.4963	+8.0321
4433*	Canum Ven.....	5	6 54,32	2,737	−0,0158	−0,003	8.9270	8.4049	0.4372	−8.7435
4434	Muscæ	6	7 11,38	3,938	+0,1040	+0,002	9.1955	8.6753	0.5953	+9.1562
4435	57 Virginis	5½	7 52,59	3,206	+0,0145	+0,024	8.8293	8.3138	0.5060	+8.3451
4436	Virginis	7	7 55,79	3,044	+0,0017	+0,001	8.8055	8.2904	0.4835	−7.6320
4437	Centauri	5½	8 34,33	3,305	+0,0232	+0,015	8.8698	8.3590	0.5191	+8.5780
4438	19 Canum Ven.....	7	8 47,45	2,719	−0,0159	−0,001	8.9306	8.4213	0.4344	−8.7531
4439	Centauri	7	9 1,33	3,670	+0,0636	+0,022	9.0621	8.5543	0.5647	+8.9832
4440	59 Virginis ..... *e*	6	9 19,87	2,999	−0,0012	−0,020	8.8107	8.3049	0.4770	−8.0592
4441	Virginis	6	9 34,33	3,176	+0,0118	.....	8.8181	8.3140	0.5019	+8.2241
4442	58 Virginis	6	9 35,99	3,139	+0,0088	−0,003	8.8099	8.3060	0.4968	+8.0389
4443	Centauri	6½	9 36,33	3,556	+0,0492	+0,008	9.0000	8.4961	0.5509	+8.8873
4444	Virginis	6	9 50,59	2,967	−0,0031	+0,006	8.8174	8.3151	0.4723	−8.2150
4445*	Virginis	7½	9 53,88	3,127	+0,0078	.....	8.8076	8.3056	0.4951	+7.9478
4446	60 Virginis ..... σ	6	10 1,88	3,027	+0,0007	+0,003	8.8059	8.3048	0.4809	−7.8437
4447*	Muscæ	7	10 5,20	4,113	+0,1275	−0,062	9.2467	8.7460	0.6142	+9.2165
4448	Virginis	8	10 13,99	2,966	−0,0031	−0,003	8.8174	8.3176	0.4722	−8.2175
4449	61 Virginis	4½	10 34,11	3,198	+0,0134	−0,069	8.8235	8.3260	0.5049	+8.3010
4450	46 Hydræ .....γ	4	10 46,68	3,238	+0,0168	+0,009	8.8369	8.3407	0.5103	+8.4175
4451	20 Canum Ven.....	5	10 48,49	2,713	−0,0154	−0,010	8.9275	8.4315	0.4334	−8.7476
4452	Ursæ Minoris	6	11 8,45	0,413	+0,1391	.....	9.6212	9.1274	9.6154	−9.6161
4453	Canum Ven.....	6	11 30,73	2,784	−0,0124	+0,012	8.8885	8.3971	0.4447	−8.6458
4454	Centauri	6	11 33,32	3,595	+0,0525	+0,017	9.0126	8.5215	0.5558	+8.9089
4455	Virginis	7	13 11 50,80	+3,150	+0,0096	+0,008	−8.8101	−8.3209	+0.4983	+8.0861

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4411	155 25 43,2	+19,30	−0,153	+0,06	+8.8209	−9.9422	+1.2856	−9.4335	....	....	.....	5416	4352	R 324
4412	149 7 14,2	19,30	0,146	+0,04	+8.0086	−9.9170	1.2856	9.4336	....	....	v.2317	5418	4354	R 326
4413	99 18 8,5	19,30	0,124	−0,10	−9.5848	−9.1920	1.2856	9.4336	....	3	iii.1615	....	....	A 294
4414	50 28 33,3	19,30	0,110	−0,01	−9.7057	+9.7870	1.2855	9.4345	1750	5	iii.1616			
4415	50 42 8,9	19,30	0,110	−0,04	−9.7060	+9.7849	1.2855	9.4347	1751	6	iii.1617			
4416	32 22 5,4	19,29	0,099	−0,09	−9.6655	+9.9098	1.2854	9.4363	....	8	iii.1618			
4417	127 0 18,1	19,29	0,134	−0,07	−9.2586	−9.7625	1.2852	9.4384	....	7	iii.1619	5429	4361	
4418	105 23 15,1	19,28	0,128	+0,29	−9.5381	−9.4066	1.2850	9.4409	1752	9	ii.1514	....	4362	M533,J298
4419	139 53 48,3	19,27	0,142	−1,20	−8.8261	−9.8662	1.2848	9.4438	....	....	v.2323	5435	4363	R 327
4420	48 24 29,7	19,26	0,111	+0,03	−9.7071	+9.8045	1.2847	9.4446	1753	13	iii.1622			
4421	61 21 34,6	19,26	0,117	−0,91	−9.7116	+9.6630	1.2846	9.4461	1755	15	ii.1515			
4422	148 17 53,8	19,25	0,150	+0,14	+8.0043	−9.9121	1.2845	9.4469	....	....	v.2326	5437	4370	R 329
4423	77 38 39,8	19,25	0,122	+0,04	−9.6848	+9.3126	1.2845	9.4474	....	16	ii.1516			
4424	157 4 54,7	19,25	0,162	.....	+8.9499	−9.9465	1.2845	9.4474	....	....	.....	....	4367	R 328
4425	158 52 50,9	19,25	0,165	−0,02	+9.0212	−9.9521	1.2845	9.4475	....	....	.....	5432	4366	
4426	157 5 45,4	19,25	0,162	−0,16	+8.9518	−9.9465	1.2844	9.4479	....	....	.....	5433	4369	R 330
4427	132 20 37,6	19,24	0,140	+0,15	−9.1176	−9.8105	1.2843	9.4494	....	....	v.2328	5443	4373	
4428	108 1 37,8	19,24	0,131	−0,02	−9.5126	−9.4727	1.2843	9.4499	1754	17	iii.1625			
4429	138 9 25,0	19,23	0,145	+0,24	−8.8927	−9.8539	1.2840	9.4529	....	....	v.2329	5448	4374	
4430	109 8 26,9	19,23	0,133	−0,17	−9.5005	−9.4974	1.2839	9.4544	1756	20	ii.1517			
4431	87 44 39,0	19,22	0,127	0,00	−9.6482	+8.5766	1.2838	9.4554	....	21	ii.1518	....	....	M 534
4432	99 34 20,9	19,21	0,132	+0,05	−9.5798	−9.2021	1.2835	9.4590	1757	23	iii.1627			
4433	49 3 5,0	19,21	0,115	+0,06	−9.7130	+9.7977	1.2835	9.4591	....	27	iii.1628	....	....	B.H 363
4434	155 59 19,6	19,20	0,166	+0,04	+8.9415	−9.9418	1.2833	9.4609	....	....	.....	5451	4380	
4435	109 8 35,4	19,18	0,137	+0,11	−9.4973	−9.4965	1.2829	9.4652	1758	29	ii.1519			
4436	86 9 19,1	19,18	0,130	+0,10	−9.6557	+8.8071	1.2829	9.4655	....	30	iii.1629			
4437	120 42 35,4	19,16	0,142	0,00	−9.3475	−9.6884	1.2825	9.4695	....	31	iii.1630	5466	4386	B.F 1825
4438	48 21 3,0	19,16	0,117	−0,02	−9.7167	+9.8027	1.2824	9.4708	1759	35	iii.1632			
4439	146 30 22,1	19,15	0,159	−0,23	+7.8976	−9.9011	1.2822	9.4722	....	....	v.2336	5465	4388	R 331
4440	79 47 27,3	19,14	0,130	−0,16	−9.6812	+9.2284	1.2820	9.4741	1760	37	ii.1520			
4441	104 45 11,1	19,14	0,138	.....	−9.5361	−9.3856	1.2819	9.4756	....	....	v.2340	....	4396	
4442	99 45 19,2	19,14	0,137	+0,04	−9.5763	−9.2087	1.2819	9.4757	1761	38	ii.1521			
4443	140 29 31,8	19,14	0,155	−0,12	−8.6571	−9.8670	1.2819	9.4758	....	....	v.2339	5472	4394	R 332
4444	75 32 4,8	19,13	0,130	+0,11	−9.6948	+9.3771	1.2817	9.4772	....	41	iii.1635	....	....	B.F 1830
4445	97 56 16,2	19,13	0,137	.....	−9.5892	−9.1197	1.2817	9.4775	....	....	.....	....	....	B.F 1829
4446	83 44 12,8	19,13	0,133	−0,06	−9.6667	+9.0172	1.2816	9.4783	1762	42	ii.1522			
4447	158 53 5,0	19,13	0,181	−0,29	+9.0955	−9.9492	1.2816	9.4787	....	....	.....	5470	4398	R 333
4448	75 26 45,5	19,12	0,130	+0,13	−9.6953	+9.3795	1.2815	9.4795	....	43	iv. 860	....	....	B.F 1834
4449	107 28 28,6	19,11	0,141	+1,03	−9.5091	−9.4566	1.2813	9.4816	1763	44	ii.1523	....	....	M535,J299
4450	112 22 39,5	19,11	0,144	0,00	−9.4558	−9.5596	1.2812	9.4828	1764	45	ii.1524	....	....	B.F 1833
4451	48 38 8,9	19,11	0,120	−0,03	−9.7215	+9.7990	1.2812	9.4830	1765	48	ii.1525			
4452	8 44 4,0	19,10	0,018	.....	−9.5656	+9.9737	1.2810	9.4849	....	....	.....	....	....	G 1977
4453	55 6 45,7	19,09	0,125	+0,17	−9.7256	+9.7359	1.2807	9.4871	....	51	iii.1636			
4454	141 57 19,5	19,09	0,161	−0,11	−8.4065	−9.8748	1.2807	9.4874	....	....	v.2346	5484	4414	R 335
4455	100 52 55,3	+19,08	−0,142	+0,05	−9.5659	−9.2543	+1.2805	−9.4891	....	52	iii.1637			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4456	21 Canum Ven.....	5	13 11 51,25	+2,571	−0,0194	0,000	−8.9984	−8.5093	+0.4101	−8.8857
4457*	Canum Ven.....	6½	12 9,89	2,771	−0,0128	.....	8.8936	8.4065	0.4426	−8.6620
4458	Centauri ..... *t*	3	12 11,09	3,371	+0,0284	−0,023	8.8936	8.4066	0.5277	+8.6620
4459	62 Virginis	7	12 27,70	3,148	+0,0094	−0,005	8.8092	8.3239	0.4980	+8.0704
4460	Octantis	7	12 49,58	7,888	+1,3570	−0,047	9.8651	9.3822	0.8970	+9.8635
4461*	Centauri	6	12 58,42	3,801	+0,0769	+0,071	9.1049	8.6229	0.5799	+9.0432
4462*	Virginis	7	12 59,23	3,029	+0,0011	.....	8.8036	8.3217	0.4814	−7.7941
4463	Centauri	6	12 59,92	3,802	+0,0770	+0,019	9.1052	8.6234	0.5800	+9.0436
4464	Centauri	6	13 11,46	3,596	+0,0516	+0,012	9.0062	8.5256	0.5559	+8.8991
4465*	Muscæ ..... *t*[1]	6	13 25,23	4,549	+0,1992	−0,046	9.3635	8.8844	0.6579	+9.3466
4466	Virginis	6	13 26,69	3,213	+0,0143	−0,003	8.8248	8.3458	0.5069	+8.3308
4467	23 Canum Ven.....	6½	13 35,50	2,705	−0,0148	+0,001	8.9229	8.4449	0.4321	−8.7394
4468*	Virginis	6	13 57,88	2,958	−0,0031	.....	8.8158	8.3401	0.4709	−8.2271
4469	Muscæ	6	13 59,20	3,931	+0,0935	−0,011	9.1552	8.6796	0.5945	+9.1079
4470*	Virginis	6	14 4,76	3,049	+0,0025	.....	8.8014	8.3264	0.4842	−7.5021
4471	Virginis	7	14 13,07	3,159	+0,0102	−0,003	8.8100	8.3359	0.4996	+8.1204
4472	64 Virginis	6	14 36,07	3,026	+0,0011	−0,001	8.8028	8.3311	0.4809	−7.8180
4473	Virginis	7	14 44,17	3,111	+0,0067	+0,003	8.8023	8.3315	0.4929	+7.7769
4474	63 Virginis	6	14 59,54	3,202	+0,0133	−0,001	8.8195	8.3502	0.5054	+8.2842
4475	Muscæ	6	15 16,06	3,943	+0,0936	−0,027	9.1536	8.6860	0.5958	+9.1061
4476	Muscæ ..... *t*[2]	6	15 30,96	4,570	+0,1975	−0,012	9.3571	8.8911	0.6599	+9.3397
4477	65 Virginis	6	15 32,72	3,102	+0,0061	0,000	8.8010	8.3352	0.4916	+7.6593
4478	66 Virginis	6	16 44,98	3,104	+0,0063	+0,012	8.8004	8.3419	0.4920	+7.6831
4479	Canum Ven.....	6	17 5,37	2,728	−0,0129	.....	8.9013	8.4449	0.4359	−8.6888
4480	67 Virginis ..... *α*	1	17 17,84	3,152	+0,0095	0,000	8.8059	8.3508	0.4985	+8.0615
4481	Centauri	6	17 19,23	3,562	+0,0454	0,000	8.9731	8.5181	0.5517	+8.8440
4482	Centauri	6	17 26,93	3,429	+0,0321	+0,011	8.9079	8.4538	0.5352	+8.7065
4483	Octantis ..... *x*	5	17 38,76	8,162	+1,3966	−0,087	8.8593	9.4063	0.9118	+9.8576
4484	79 Ursæ Majoris .. *ζ*	3	17 52,59	2,417	−0,0196	+0,020	9.0475	8.5960	0.3833	−8.9646
4485	Centauri ..... *ω*	neb.	17 53,21	3,544	+0,0432	.....	8.9621	8.5106	0.5494	+8.8240
4486	Ursæ Majoris	6	17 53,94	2,417	−0,0196	+0,023	9.0475	8.5960	0.3833	−8.9646
4487	Muscæ	6½	17 55,07	4,222	+0,1314	−0,106	9.2408	8.7895	0.6256	+9.2105
4488	Virginis	6½	18 4,27	3,199	+0,0129	+0,002	8.8155	8.3651	0.5051	+8.2579
4489	Centauri	6	18 13,98	3,456	+0,0343	+0,012	8.9185	8.4690	0.5386	+8.7329
4490*	Centauri	6	18 18,93	3,579	+0,0466	+0,037	8.9777	8.5287	0.5538	+8.8528
4491	Centauri	7	18 41,86	3,812	+0,0728	−0,073	9.0828	8.6361	0.5812	+9.0147
4492	68 Virginis ..... *i*	5	18 48,23	3,166	+0,0104	−0,005	8.8072	8.3612	0.5005	+8.1224
4493	80 Ursæ Majoris .. *g*	5	19 12,49	2,405	−0,0192	+0,019	9.0473	8.6037	0.3811	−8.9647
4494	69 Virginis	5½	19 27,71	3,194	+0,0124	−0,004	8.8127	8.3706	0.5043	+8.2312
4495	Centauri	5½	20 15,85	3,625	+0,0503	+0,014	8.9922	8.5548	0.5593	+8.8789
4496	Virginis	7	20 35,24	3,071	+0,0042	+0,017	8.7965	8.3610	0.4873	+5.6969
4497*	Draconis	6	20 53,01	+2,122	−0,0177	−0,015	9.1549	8.7212	+0.3267	−9.1087
4498	Ursæ Minoris	6	20 57,26	−2,857	+1,0312	.....	9.9053	9.4720	−0.4559	−9.9040
4499	70 Virginis	5½	21 5,65	+2,950	−0,0025	−0,014	8.8104	8.3778	+0.4698	−8.2113
4500	Virginis	7	13 21 22,29	+3,221	+0,0142	−0,021	−8.8176	−8.3867	+0.5080	+8.3064

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4456	39 31 41,2	+19,08	0,116	+0,03	−9.7111	+9.8655	+1.2805	−9.4891	1767	54	ii.1526			
4457	54 4 58,8	19,07	0,125	.....	−9.7268	+9.7465	1.2803	9.4909	....	....	.....	....	....	B.H 361
4458	125 55 10,1	19,07	0,152	+0,14	−9.2297	−9.7465	1.2803	9.4911	....	53	ii.1527	5491	4417	J301, R336
4459	100 30 54,0	19,06	0,143	+0,05	−9.5682	−9.2392	1.2801	9.4927	1766	55	ii.1528			
4460	175 2 37,5	19,05	0,359	−0,08	+9.4374	−9.9761	1.2799	9.4948	....	....	.....	5452	4410	R 334
4461	150 10 47,4	19,05	0,174	−0,80	+8.7466	−9.9159	1.2798	9.4956	....	....	v.2350	5490	4420	
4462	84 23 8,8	19,05	0,138	+0,12	−9.6651	+8.9681	1.2798	9.4957	1768	....	.....	....	....	L 336
4463	150 12 0,6	19,05	0,174	0,00	+8.7490	−9.9160	1.2798	9.4958	....	....	v.2352	5492	4421	
4464	141 23 39,0	19,04	0,165	−0,16	−8.4065	−9.8704	1.2797	9.4969	....	....	v.2353	5498	4425	
4465	164 5 58,3	19,03	0,209	+0,75	+9.2648	−9.9604	1.2795	9.4982	....	....	.....	5486	4423	R 337
4466	108 41 59,6	19,03	0,148	−0,05	−9.4915	−9.4833	1.2795	9.4983	....	59	iv. 866			
4467	49 3 36,9	19,03	0,125	+0,01	−9.7280	+9.7936	1.2794	9.4992	1769	61	iii.1640			
4468	75 3 39,1	19,02	0,137	.....	−9.6999	+9.3883	1.2792	9.5013	....	....	.....	....	....	B.F 1843
4469	153 44 54,6	19,02	0,182	−0,07	+8.9666	−9.9297	1.2792	9.5014	....	....	.....	5500	4428	
4470	87 7 21,2	19,02	0,141	.....	−9.6525	+8.6776	1.2791	9.5019	....	....	.....	....	....	B.F 1841
4471	101 47 28,7	19,01	0,147	+0,02	−9.5561	−9.2872	1.2790	9.5027	....	62	iii.1641	....	....	M 537
4472	84 3 23,4	19,00	0,141	+0,05	−9.6672	+8.9917	1.2788	9.5049	1770	66	ii.1529			
4473	95 24 41,7	19,00	0,145	+0,32	−9.6040	−8.9511	1.2787	9.5056	....	67	iv. 870			
4474	106 56 52,8	18,99	0,150	+0,06	−9.5071	−9.4410	1.2785	9.5071	1771	68	ii.1530	....	....	M 538
4475	153 41 59,2	18,98	0,186	+0,02	+8.9863	−9.9287	1.2784	9.5086	....	....	.....	5509	4437	
4476	163 54 20,8	18,98	0,216	−0,35	+9.2801	−9.9586	1.2782	9.5100	....	....	.....	5504	4438	R 339
4477	94 8 14,9	18,98	0,146	+0,02	−9.6122	−8.8342	1.2782	9.5101	1772	70	ii.1531			
4478	94 22 40,1	18,94	0,149	+0,02	−9.6102	−8.8579	1.2774	9.5168	1773	73	ii.1532			
4479	52 10 53,8	18,93	0,131	.....	−9.7366	+9.7625	1.2772	9.5186	....	....	.....	....	....	G 1986
4480	100 22 36,5	18,93	0,152	+0,05	−9.5650	−9.2304	1.2770	9.5197	1774	75	ii.1533	....	4457	M 539
4481	137 58 58,9	18,92	0,172	−0,52	−8.6493	−9.8458	1.2770	9.5199	....	....	v.2372	5530	4455	
4482	128 58 8,7	18,92	0,166	+0,03	−9.1103	−9.7733	1.2769	9.5205	....	74	iii.1646	5531	4458	
4483	175 0 59,7	18,92	0,396	+0,62	+9.4675	−9.9729	1.2768	9.5216	....	....	.....	5482	4445	R 340
4484	34 17 23,5	18,91	0,118	+0,04	−9.7159	+9.8915	1.2767	9.5228	1776	78	ii.1534			
4485	136 41 41,7	18,91	0,172	.....	−8.7404	−9.8364	1.2766	9.5229	....	....	.....	5533		
4486	34 17 35,7	18,91	0,118	+0,06	−9.7159	+9.8915	1.2766	9.5230	1777	79	iv. 871	....	....	G 1988
4487	158 50 22,7	18,91	0,205	−0,64	+9.1884	−9.9441	1.2766	9.5231	....	....	.....	5529	....	R 341
4488	106 4 39,9	18,90	0,156	−0,07	−9.5112	−9.4167	1.2765	9.5239	....	76	iii.1648			
4489	130 42 58,9	18,90	0,169	+0,10	−9.0434	−9.7887	1.2764	9.5247	....	....	v.2380	5543	4467	
4490	138 36 13,4	18,90	0,175	+0,90	−8.5515	−9.8493	1.2764	9.5252	....	....	v.2381	5537	4468	
4491	148 44 53,3	18,88	0,187	−0,16	+8.7973	−9.9058	1.2761	9.5272	....	....	.....	5540	....	R 342
4492	101 55 30,5	18,88	0,156	+0,04	−9.5501	−9.2890	1.2760	9.5278	1775	80	ii.1535	....	....	M540, J303
4493	34 13 45,0	18,87	0,119	+0,05	−9.7195	+9.8909	1.2758	9.5299	1779	85	ii.1537			
4494	105 11 43,0	18,86	0,158	+0,05	−9.5181	−9.3918	1.2756	9.5312	1778	82	ii.1536	....	....	M 541
4495	140 23 14,2	18,84	0,181	+0,18	−8.0934	−9.8595	1.2750	9.5354	....	....	v.2386	5552	4476	
4496	90 2 44,2	18,83	0,154	+0,52	−9.6372	−6.8730	1.2748	9.5371	....	89	iv. 875			
4497	25 58 12,1	18,82	−0,107	.....	−9.6996	+9.9261	1.2746	9.5386	....	96	iii.1651	....	....	G 1993
4498	4 27 41,8	18,82	+0,144	.....	−9.5783	+9.9710	1.2745	9.5390	....	....	.....	....	....	G 2007
4499	75 25 7,1	18,81	−0,149	+0,58	−9.7052	+9.3732	1.2745	9.5397	1780	90	ii.1538			
4500	107 57 0,5	+18,80	−0,163	+0,03	−9.4853	−9.4609	+1.2743	−9.5411	....	93	iii.1653	....	4492	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4501	Hydræ	var.	13 21 31,82	+3,264	+0,0173	+0,002	−8.8302	−8.4003	+0.5137	+8.4131
4502*	Virginis	7	21 32,93	3,075	+0,0045	−0,017	8.7958	8.3660	0.4879	+6.8034
4503*	Virginis	7	21 37,89	3,033	+0,0021	.....	8.7972	8.3678	0.4818	−7.7061
4504	71 Virginis	6	21 47,15	2,975	−0,0012	−0,001	8.8046	8.3761	0.4735	−8.1079
4505	Virginis	7	21 54,09	3,237	+0,0153	−0,012	8.8213	8.3935	0.5101	+8.3456
4506	Ursæ Minoris	6	22 18,52	1,517	+0,0053	+0,004	9.3336	8.9081	0.1810	−9.3146
4507	Centauri	4½	22 21,97	3,446	+0,0321	−0,001	8.9025	8.4773	0.5374	+8.6979
4508	72 Virginis ..... l^1	7	22 36,52	3,118	+0,0071	+0,007	8.7972	8.3734	0.4938	+7.7938
4509	Comæ	var.	22 46,35	2,900	−0,0046	+0,008	8.8215	8.3987	0.4624	−8.3520
4510*	Ursæ Majoris	6	22 56,59	2,226	−0,0181	+0,001	9.1055	8.6836	0.3476	−9.0461
4511	Virginis	7	23 7,56	3,089	+0,0054	+0,007	8.7950	8.3742	0.4899	+7.3939
4512	Muscæ	6	23 12,68	4,082	+0,1030	+0,011	9.1664	8.7461	0.6109	+9.1232
4513*	Comæ	6	23 44,31	2,848	−0,0068	.....	8.8370	8.4197	0.4545	−8.4632
4514	73 Virginis	6	23 58,03	3,226	+0,0143	−0,004	8.8158	8.3998	0.5086	+8.3047
4515	Virginis	7	24 5,24	3,084	+0,0052	−0,047	8.7942	8.3788	0.4891	+7.2275
4516	74 Virginis ..... l^2	6	24 10,37	3,117	+0,0071	−0,001	8.7959	8.3811	0.4937	+7.7759
4517	Hydræ	6	24 12,29	3,335	+0,0223	−0,007	8.8512	8.4366	0.5230	+8.5339
4518	Centauri	7	24 18,49	3,463	+0,0329	.....	8.9046	8.4905	0.5394	+8.7053
4519	Canum Ven.....	6	24 45,31	2,622	−0,0139	.....	8.9285	8.5169	0.4186	−8.7612
4520*	75 Virginis	6	24 51,19	3,197	+0,0122	−0,001	8.8077	8.3967	0.5047	+8.2089
4521	76 Virginis ..... h	6	25 4,41	3,151	+0,0092	0,000	8.7991	8.3894	0.4984	+8.0118
4522	Centauri	7	25 4,62	3,466	+0,0329	−0,014	8.9038	8.4941	0.5398	+8.7043
4523	Virginis	7	25 13,89	3,085	+0,0052	−0,004	8.7933	8.3845	0.4892	+7.2528
4524	Muscæ	7	25 15,33	4,084	+0,1008	−0,050	9.1574	8.7486	0.6111	+9.1124
4525*	77 Virginis	7	25 34,80	3,129	+0,0079	+0,003	8.7960	8.3891	0.4954	+7.8725
4526*	Comæ	6½	25 40,63	2,842	−0,0067	.....	8.8360	8.4296	0.4536	−8.4641
4527	Ursæ Minoris	6	25 44,07	0,455	+0,1090	−0,029	9.5289	9.1228	9.6582	−9.5214
4528	Muscæ	7	26 30,78	4,899	+0,2301	−0,023	9.3768	8.9750	0.6901	+9.3616
4529	78 Virginis	6	26 31,92	3,032	+0,0024	−0,002	8.7935	8.3918	0.4818	−7.6815
4530	Virginis	7	26 37,93	3,067	+0,0043	−0,005	8.7921	8.3910	0.4867	−6.6915
4531	Virginis	6	26 42,84	3,180	+0,0110	+0,002	8.8024	8.4017	0.5024	+8.1358
4532	79 Virginis ..... ζ	4	27 3,32	3,069	+0,0044	−0,014	8.7918	8.3930	0.4870	−6.2719
4533	Centauri	6	27 6,32	3,962	+0,0833	+0,018	9.1051	8.7066	0.5980	+9.0465
4534	Muscæ	6	27 30,65	4,416	+0,1449	−0,002	9.2507	8.8544	0.6450	+9.2228
4535	80 Virginis	6	27 43,33	3,111	+0,0068	+0,003	8.7927	8.3976	0.4929	+7.6998
4536*	Canum Ven.....	5½	28 5,89	2,680	−0,0115	+0,011	8.8942	8.5011	0.4281	−8.6831
4537	Centauri	6	28 10,39	3,545	+0,0388	+0,007	8.9295	8.5368	0.5496	+8.7663
4538	24 Canum Ven.....	5	28 19,19	2,476	−0,0155	−0,010	8.9808	8.5890	0.3938	−8.8637
4539	Centauri	6	28 20,88	3,585	+0,0424	−0,007	8.9464	8.5547	0.5545	+8.8008
4540*	81 Ursæ Majoris	5½	28 21,05	2,322	−0,0166	+0,004	9.0446	8.6529	0.3658	−8.9638
4541	Hydræ	6	28 29,53	3,313	+0,0200	−0,018	8.8360	8.4451	0.5203	+8.4736
4542*	Muscæ x	6	28 33,90	4,457	+0,1493	−0,054	9.2570	8.8665	0.6490	+9.2300
4543	Canum Ven.....	8	28 36,61	2,689	−0,0112	+0,014	8.8891	8.4989	0.4295	−8.6702
4544*	Hydræ	neb.	28 39,41	3,351	+0,0227	.....	8.8492	8.4591	0.5252	+8.5361
4545	Canum Ven.....	6	13 28 50,56	+2,566	−0,0140	.....	−8.9407	−8.5517	+0.4092	−8.7899

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4501	112 30 12,8	+18,80	−0,166	−0,01	−9.4275	−9.5548	+1.2741	−9.5419	....	94	ii.1539	....	....	B.H 838
4502	90 34 59,4	18,80	0,156	+0,04	−9.6339	−7.9795	1.2741	9.5420	....	95	ii.1540	....	....	M 542
4503	85 20 59,3	18,80	0,154	.....	−9.6635	+8.8807	1.2741	9.5425	....	....	.....	....	....	B.F 1852
4504	78 24 6,0	18,79	0,152	+0,04	−9.6949	+9.2750	1.2740	9.5432	1781	98	ii.1541			
4505	109 32 8,0	18,79	0,165	+0,07	−9.4654	−9.4959	1.2739	9.5438	....	97	iv. 878			
4506	16 49 42,3	18,78	0,078	+0,03	−9.6646	+9.9524	1.2736	9.5459	....	109	iv. 879	....	....	G 2001
4507	128 37 48,8	18,77	0,177	+0,05	−9.0770	−9.7667	1.2736	9.5462	....	99	ii.1542	5569	4496	J 304, R 343
4508	95 41 38,8	18,77	0,160	−0,02	−9.5986	−8.9677	1.2734	9.5474	1782	101	iii.1655	....	....	M 543
4509	70 10 2,1	18,76	0,150	+0,05	−9.7227	+9.5016	1.2733	9.5482	....	102	iii.1657			
4510	29 16 42,4	18,76	0,115	+0,02	−9.7168	+9.9116	1.2731	9.5491	....	110	iii.1659	....	....	B.H 1495
4511	92 16 32,4	18,75	0,160	+0,01	−9.6227	−8.5696	1.2730	9.5500	....	106	iii.1658			
4512	154 51 27,8	18,75	0,211	+0,03	+9.1370	−9.9275	1.2729	9.5504	....	....	.....	5566	4506	R 344
4513	64 59 14,2	18,73	0,148	.....	−9.7359	+9.5965	1.2726	9.5530	....	....	.....	....	....	B.F 1857
4514	107 57 10,7	18,72	0,169	0,00	−9.4806	−9.4591	1.2724	9.5542	1783	111	ii.1543			
4515	91 33 14,7	18,72	0,161	−0,22	−9.6275	−8.4034	1.2723	9.5548	....	114	iii.1660			
4516	95 28 46,9	18,72	0,163	+0,05	−9.5996	−8.9500	1.2723	9.5552	1784	115	ii.1545	....	....	M 544
4517	118 47 28,2	18,72	0,175	+0,03	−9.3166	−9.6527	1.2722	9.5553	....	112	ii.1544	5578	4519	
4518	129 11 49,8	18,71	0,182	.....	−9.0374	−9.7706	1.2722	9.5559	....	....	v.2410	....	4520	R 345
4519	47 7 34,6	18,70	0,138	.....	−9.7512	+9.8024	1.2718	9.5580	....	....	.....	....	....	G 2008
4520	104 35 24,5	18,70	0,169	+0,10	−9.5169	−9.3708	1.2718	9.5585	1785	117	ii.1546			
4521	99 23 25,0	18,69	0,167	+0,04	−9.5669	−9.1820	1.2716	9.5596	1786	118	ii.1547	....	....	M 545
4522	129 10 22,3	18,69	0,183	−0,07	−9.0306	−9.7698	1.2716	9.5596	....	....	v.2416	5583	4529	R 347
4523	91 39 1,5	18,68	0,164	+0,03	−9.6267	−8.4287	1.2715	9.5604	....	119	iii.1661			
4524	154 23 12,5	18,68	0,217	+0,96	+9.1468	−9.9243	1.2715	9.5605	....	....	.....	5579	4528	R 346
4525	96 50 59,5	18,67	0,167	−0,01	−9.5882	−9.0455	1.2712	9.5621	1787	121	ii.1548	....	....	W 732
4526	64 52 11,0	18,67	0,151	.....	−9.7388	+9.5970	1.2711	9.5625	....	....	.....	....	....	B.F 1862
4527	10 34 51,6	18,67	0,024	−0,02	−9.6424	+9.9614	1.2711	9.5628	....	133	iv. 886	....	....	G 2012
4528	164 54 53,1	18,64	0,263	−0,11	+9.3856	−9.9531	1.2705	9.5665	....	....	.....	5577	4534	R 348
4529	85 34 8,3	18,64	0,163	+0,04	−9.6639	+8.8562	1.2705	9.5666	1788	125	ii.1549			
4530	89 32 44,0	18,64	0,165	+0,14	−9.6404	+7.8676	1.2704	9.5671	....	127	iii.1666			
4531	102 26 36,1	18,64	0,171	+0,06	−9.5368	−9.3015	1.2704	9.5675	....	126	iii.1667	....	4542	
4532	89 49 37,4	18,63	0,166	−0,06	−9.6386	+7.4479	1.2701	9.5691	1789	128	ii.1550	....	....	M 546
4533	150 55 4,3	18,62	0,214	+0,13	+9.0542	−9.9093	1.2701	9.5694	....	....	v.2425	5589	4544	
4534	159 40 30,1	18,61	0,240	−0,04	+9.2982	−9.9396	1.2698	9.5713	....	....	.....	5587	4546	
4535	94 37 50,1	18,60	0,170	−0,05	−9.6046	−8.8744	1.2696	9.5723	1790	130	ii.1551	....	....	M 547
4536	52 2 52,9	18,59	0,147	+0,09	−9.7580	+9.7560	1.2693	9.5740	....	136	iii.1670	....	....	B.F 1866
4537	133 22 32,0	18,59	0,194	+0,31	−8.7604	−9.8039	1.2693	9.5744	....	....	v.2429	5598	4550	
4538	40 12 57,6	18,58	0,136	+0,02	−9.7537	+9.8498	1.2691	9.5751	1791	138	iii.1672			
4539	135 39 31,6	18,58	0,197	−0,17	−8.5366	−9.8213	1.2691	9.5752	....	....	v.2432	5600	4554	
4540	33 52 52,7	18,58	0,127	+0,02	−9.7436	+9.8861	1.2691	9.5752	1792	141	iii.1673	....	....	G 2016
4541	115 43 40,7	18,58	0,182	+0,04	−9.3568	−9.6044	1.2690	9.5759	....	135	ii.1552	5608	4556	
4542	160 1 10,1	18,58	0,245	−0,11	+9.3137	−9.9398	1.2690	9.5762	....	....	.....	5595	4552	R 349
4543	52 50 44,6	18,58	0,148	−0,04	−9.7586	+9.7477	1.2689	9.5764	....	140	iii.1674	....	....	B.H 368 ?
4544	119 5 50,8	18,57	0,184	.....	−9.2916	−9.6536	1.2689	9.5766	....	....	.....	5610		
4545	45 2 7,5	+18,57	−0,142	.....	−9.7590	+9.8157	+1.2687	−9.5775	....	....	.....	....	....	G 2017

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4546*	81 Virginis	7	13 29 44,09	+3,134	+0,0082	+0,003	−8.7931	−8.4089	+0.4961	+7.8855
4547	Virginis	7	30 1,83	3,093	+0,0058	−0,001	8.7899	8.4073	0.4903	+7.4241
4548	Hydræ	6	30 17,07	3,353	+0,0225	−0,011	8.8466	8.4654	0.5254	+8.5293
4549	Centauri ..... *g*	3	30 25,18	3,745	+0,0567	−0,010	9.0067	8.6262	0.5735	+8.9074
4550*	Ursæ Majoris	7½	30 44,77	2,375	−0,0157	.....	9.0141	8.6353	0.3756	−8.9191
4551	Centauri	6	30 46,50	3,668	+0,0489	+0,018	8.9736	8.5950	0.5644	+8.8526
4552*	25 Canum Ven.....	5	30 46,67	2,681	−0,0109	.....	8.8869	8.5083	0.4283	−8.6670
4553	Bootis	7½	30 55,67	2,848	−0,0055	+0,001	8.8257	8.4479	0.4546	−8.4229
4554	Virginis	7	31 20,47	3,175	+0,0105	+0,015	8.7970	8.4214	0.5017	+8.0901
4555*	Ursæ Majoris	7½	31 22,19	2,373	−0,0155	.....	9.0127	8.6372	0.3752	−8.9171
4556	Ursæ Majoris	6	31 41,99	2,416	−0,0152	+0,005	8.9938	8.6201	0.3832	−8.8873
4557	Centauri	6	32 6,77	3,908	+0,0727	−0,016	9.0639	8.6924	0.5920	+8.9925
4558	Centauri	5½	32 10,38	3,786	+0,0597	−0,024	9.0164	8.6452	0.5781	+8.9233
4559*	Virginis	6	32 10,95	2,964	−0,0005	.....	8.7966	8.4254	0.4719	−8.0966
4560	Virginis	7	33 0,71	3,183	+0,0110	+0,003	8.7968	8.4299	0.5028	+8.1154
4561	Centauri	6	33 10,51	3,855	+0,0662	+0,002	9.0395	8.6735	0.5860	+8.9581
4562	1 Bootis	6	33 30,39	2,870	−0,0043	−0,003	8.8157	8.4515	0.4579	−8.3644
4563	Bootis	7½	33 31,09	2,869	−0,0043	+0,002	8.8159	8.4517	0.4578	−8.3658
4564*	82 Ursæ Majoris	6	33 41,83	2,348	−0,0150	−0,011	9.0140	8.6508	0.3706	−8.9202
4565	82 Virginis ..... *m*	5½	33 44,76	3,145	+0,0087	−0,004	8.7907	8.4277	0.4976	+7.9312
4566	2 Bootis	6	33 56,43	2,842	−0,0053	0,000	8.8232	8.4612	0.4536	−8.4196
4567	Centauri	6	34 44,81	3,543	+0,0362	−0,008	8.9100	8.5521	0.5493	+8.7296
4568*	83 Ursæ Majoris	5	35 2,73	2,289	−0,0147	+0,005	9.0317	8.6754	0.3596	−8.9474
4569	Centauri	7	35 6,17	4,078	+0,0894	.....	9.1118	8.7557	0.6105	+9.0571
4570	84 Virginis ..... *o*	6	35 31,51	3,030	+0,0028	−0,018	8.7863	8.4324	0.4814	−7.6611
4571	Virginis	7	35 44,26	3,104	+0,0065	+0,001	8.7857	8.4329	0.4919	+7.5732
4572	Virginis	7	36 6,07	3,116	+0,0072	−0,011	8.7860	8.4351	0.4936	+7.7033
4573	Centauri	6½	36 14,60	4,102	+0,0911	+0,084	9.1150	8.7648	0.6130	+9.0615
4574	83 Virginis	6	36 24,75	3,221	+0,0131	+0,004	8.8002	8.4509	0.5080	+8.2250
4575*	Bootis	6	36 39,74	2,833	−0,0051	.....	8.8216	8.4735	0.4523	−8.4215
4576	Virginis	7	36 43,03	3,202	+0,0119	+0,001	8.7961	8.4484	0.5054	+8.1631
4577	Draconis	6½	36 49,14	1,863	−0,0080	−0,001	9.1676	8.8203	0.2703	−9.1269
4578	Virginis	7	37 5,43	3,137	+0,0083	+0,001	8.7869	8.4410	0.4965	+7.8653
4579	1 Centauri ..... *i*	5	37 11,11	3,418	+0,0259	−0,029	8.8566	8.5112	0.5338	+8.5842
4580*	Centauri	5	37 11,59	3,742	+0,0526	+0,003	8.9818	8.6364	0.5731	+8.8703
4581	Hydræ	6	37 15,18	3,332	+0,0200	−0,007	8.8276	8.4825	0.5226	+8.4594
4582	85 Virginis	6	37 30,95	3,219	+0,0128	0,000	8.7984	8.4547	0.5077	+8.2118
4583	Virginis	7	37 38,60	3,184	+0,0109	+0,013	8.7923	8.4492	0.5030	+8.0967
4584	Virginis	7	37 55,52	3,173	+0,0103	−0,005	8.7903	8.4486	0.5015	+8.0497
4585	86 Virginis	6	37 57,18	3,185	+0,0109	+0,001	8.7921	8.4505	0.5031	+8.0981
4586*	Centauri	6	38 12,43	3,467	+0,0293	−0,009	8.8721	8.5318	0.5399	+8.6360
4587*	Canum Ven.....	8½	38 49,11	2,582	−0,0112	.....	8.9056	8.5684	0.4119	−8.7241
4588	Centauri	•	38 59,46	4,040	+0,0816	.....	9.0831	8.7468	0.6064	+9.0207
4589	Virginis	7	39 3,03	3,258	+0,0151	+0,006	8.8051	8.4690	0.5130	+8.3065
4590	87 Virginis	6	13 39 16,36	+3,243	+0,0142	+0,005	−8.8015	−8.4665	+0.5110	+8.2701

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4546	97 6 21,5	+18,54	−0,174	+0,14	−9.5837	−9.0582	+1.2680	−9.5816	1793	142	iii.1675			
4547	92 28 7,2	18,53	0,173	+0,08	−9.6202	−8.5998	1.2678	9.5830	....	145	iii.1677			
4548	118 47 28,5	18,52	0,188	+0,02	−9.2909	−9.6481	1.2676	9.5841	....	146	ii.1553	5623	4571	
4549	142 42 3,5	18,51	0,210	+0,08	+8.6314	−9.8659	1.2675	9.5848	....	....	ii.1554	5618	4570	J305, R350
4550	36 32 35,6	18,50	0,134	+0,01	−9.7546	+9.8700	1.2673	9.5862	1794	....	.....	....	....	B 36
4551	139 11 13,0	18,50	0,206	+0,18	+7.9243	−9.8440	1.2672	9.5864	....	....	v.2446	5622	4574	
4552	52 56 24,2	18,50	0,151	.....	−9.7625	+9.7451	1.2672	9.5864	....	....	.....	....	....	B.F 1871
4553	66 42 9,7	18,50	0,161	+0,02	−9.7415	+9.5620	1.2671	9.5871	....	150	iii.1678	....	....	B.F 1870
4554	101 19 29,4	18,48	0,180	0,00	−9.5432	−9.2576	1.2668	9.5889	....	152	iii.1680			
4555	36 38 12,2	18,48	0,134	−0,13	−9.7563	+9.8689	1.2668	9.5891	1795	....	.....	....	....	B 37
4556	38 31 11,3	18,47	0,137	−0,07	−9.7597	+9.8577	1.2665	9.5905	....	156	iii.1682	....	....	G 2024
4557	148 1 25,0	18,46	0,223	−0,13	+9.0086	−9.8925	1.2662	9.5924	....	....	.....	5627	4580	
4558	143 47 38,0	18,46	0,216	−0,34	+8.7745	−9.8707	1.2661	9.5927	....	....	.....	5632	4582	
4559	78 29 25,4	18,45	0,169	.....	−9.7018	+9.2639	1.2661	9.5927	....	....	.....	....	....	B.H 254
4560	102 1 12,7	18,43	0,183	0,00	−9.5343	−9.2818	1.2654	9.5964	....	158	iii.1685			
4561	146 0 30,0	18,42	0,222	+0,17	+8.9310	−9.8817	1.2653	9.5971	....	....	v.2458	5640	4591	
4562	69 17 2,4	18,41	0,166	0,00	−9.7374	+9.5115	1.2650	9.5985	1797	160	ii.1555			
4563	69 13 30,7	18,41	0,166	−0,05	−9.7375	+9.5126	1.2650	9.5986	....	161	iv. 895	....	....	B.F 1875
4564	36 19 9,6	18,40	0,136	+0,01	−9.7614	+9.8688	1.2649	9.5994	1799	165	iii.1688			
4565	97 56 38,2	18,40	0,182	−0,01	−9.5738	−9.1031	1.2648	9.5996	1796	162	ii.1556	....	....	M 548
4566	66 44 27,8	18,39	0,165	−0,01	−9.7452	+9.5589	1.2647	9.6004	1798	164	ii.1557			
4567	131 18 34,0	18,37	0,208	+0,15	−8.7839	−9.7814	1.2640	9.6039	....	....	v.2466	5654	4602	
4568	34 33 29,9	18,36	0,135	+0,05	−9.7619	+9.8772	1.2638	9.6052	1802	170	iii.1690			
4569	151 51 24,6	18,35	0,240	.....	+9.1784	−9.9068	1.2637	9.6055	....	....	.....	....	....	R 351
4570	85 42 4,0	18,34	0,179	+0,08	−9.6657	+8.8360	1.2634	9.6073	1800	169	ii.1558			
4571	93 30 54,7	18,33	0,184	+0,01	−9.6109	−8.7485	1.2632	9.6082	....	171	iv. 898			
4572	94 44 28,8	18,32	0,185	+0,06	−9.6008	−8.8779	1.2629	9.6097	....	174	ii.1559	....	....	M 549
4573	152 8 54,8	18,31	0,244	−0,81	+9.1981	−9.9071	1.2627	9.6104	....	....	.....	5659	4611	
4574	105 25 24,3	18,31	0,192	+0,06	−9.4909	−9.3852	1.2626	9.6111	1801	176	ii.1560	....	4616	
4575	66 32 27,7	18,30	0,169	.....	−9.7490	+9.5602	1.2624	9.6121	....	....	.....	....	....	B.F 1883
4576	103 27 37,2	18,30	0,191	+0,13	−9.5142	−9.3271	1.2623	9.6124	....	177	iii.1693	....	....	M 550
4577	24 25 12,2	18,29	0,111	+0,27	−9.7425	+9.9193	1.2623	9.6128	....	184	iv. 900	....	....	G 2034
4578	96 52 46,5	18,28	0,188	+0,10	−9.5816	−9.0382	1.2620	9.6139	....	179	ii.1561	....	....	W 742
4579	122 16 57,1	18,28	0,205	+0,19	−9.1676	−9.6873	1.2619	9.6143	1803	178	ii.1562	5668	4619	J 306
4580	140 40 36,7	18,28	0,225	−0,16	+8.6365	−9.8482	1.2619	9.6144	....	....	v.2476	5664	4618	R 352
4581	115 21 39,2	18,28	0,200	+0,04	−9.3339	−9.5914	1.2619	9.6146	....	180	ii.1563	5670	4620	
4582	105 0 48,1	18,27	0,194	+0,11	−9.4946	−9.3728	1.2617	9.6157	1804	181	ii.1564	....	4623	
4583	101 37 48,4	18,26	0,192	−0,02	−9.5336	−9.2638	1.2616	9.6162	....	183	iv. 902			
4584	100 28 15,4	18,25	0,192	−0,04	−9.5458	−9.2185	1.2613	9.6174	....	185	iii.1694			
4585	101 40 21,8	18,25	0,193	0,00	−9.5329	−9.2651	1.2613	9.6175	1805	186	ii.1565	....	....	M 551
4586	125 29 52,4	18,24	0,210	+0,03	−9.0492	−9.7228	1.2611	9.6186	....	187	iii.1696	5676	4627	R 353
4587	48 49 24,1	18,22	0,157	.....	−9.7795	+9.7768	1.2605	9.6211	....	....	.....	....	....	B.H 371 ?
4588	150 0 7,1	18,21	0,247	.....	+9.1629	−9.8957	1.2604	9.6218	....	....	.....	....	....	R 354
4589	108 30 6,6	18,21	0,199	−0,04	−9.4450	−9.4596	1.2603	9.6221	....	190	ii.1566	....	....	W 746
4590	107 6 25,7	+18,20	−0,199	+0,07	−9.4643	−9.4265	+1.2601	−9.6230	1806	191	ii.1567	....	4635	M 552

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4591*	Virginis	6½	13 39 18,03	+3,159	+0,0095	.....	−8.7871	−8.4523	+0.4996	+7.9793
4592	Canum Ven.....	7	39 28,91	2,724	−0,0080	−0,007	8.8516	8.5177	0.4352	−8.5716
4593	Virginis	7	39 35,77	3,129	+0,0079	+0,006	8.7839	8.4506	0.4955	+7.7998
4594	3 Bootis	6	39 45,22	2,790	−0,0060	0,000	8.8295	8.4969	0.4456	−8.4783
4595*	Canum Ven.....	6½	39 49,03	2,610	−0,0105	.....	8.8924	8.5602	0.4166	−8.6937
4596	Canum Ven.....	6	39 51,33	2,565	−0,0112	.....	8.9092	8.5771	0.4091	−8.7334
4597	4 Bootis ..... τ	5	40 8,23	2,885	−0,0029	−0,029	8.8034	8.4727	0.4601	−8.2981
4598	Muscæ	6½	40 11,80	4,519	+0,1394	−0,050	9.2199	8.8895	0.6550	+9.1890
4599	88 Virginis ..... n	7	40 27,49	3,131	+0,0080	−0,001	8.7832	8.4542	0.4957	+7.8087
4600*	Canum Ven.....	6½	40 31,57	2,606	−0,0105	.....	8.8920	8.5633	0.4160	−8.6937
4601	Centauri ..... ν	3½	40 31,88	3,563	+0,0360	−0,001	8.9025	8.5738	0.5518	+8.7189
4602	Centauri ..... μ	3½	40 36,11	3,577	+0,0371	−0,007	8.9077	8.5794	0.5536	+8.7309
4603	2 Centauri ..... g	5	40 46,49	3,450	+0,0274	+0,002	8.8604	8.5329	0.5378	+8.6046
4604	Virginis	6½	40 54,54	3,091	+0,0060	+0,011	8.7807	8.4538	0.4902	+7.3428
4605*	84 Ursæ Majoris	6	40 59,50	2,251	−0,0131	+0,019	9.0237	8.6973	0.3523	−8.9380
4606*	Canum Ven.....	7	41 34,68	2,710	−0,0080	.....	8.8521	8.5285	0.4330	−8.5781
4607	85 Ursæ Majoris .. η	2½	41 37,30	2,385	−0,0128	−0,033	8.9723	8.6489	0.3776	−8.8569
4608	89 Virginis	5½	41 43,82	3,250	+0,0144	−0,004	8.8000	8.4771	0.5119	+8.2753
4609	Canum Ven.....	6	41 44,61	2,539	−0,0112	.....	8.9141	8.5913	0.4046	−8.7462
4610*	Canum Ven.....	6	41 52,25	2,712	−0,0078	.....	8.8508	8.5287	0.4333	−8.5742
4611	Centauri	7	41 54,89	4,181	+0,0947	.....	9.1167	8.7948	0.6213	+9.0650
4612	Centauri	•	41 56,43	4,183	+0,0949	.....	9.1172	8.7954	0.6215	+9.0658
4613	Virginis	7	42 0,25	3,282	+0,0163	−0,001	8.8068	8.4853	0.5161	+8.3434
4614*	Ursæ Minoris	6	42 4,97	0,157	+0,1273	−0,013	9.4916	9.1705	9.1967	−9.4833
4615	5 Bootis v	4	42 14,59	2,899	−0,0021	−0,004	8.7975	8.4772	0.4623	−8.2520
4616	Centauri	5½	42 27,11	3,812	+0,0563	−0,018	8.9903	8.6710	0.5812	+8.8872
4617	Centauri	6	42 30,93	3,673	+0,0441	−0,009	8.9384	8.6194	0.5650	+8.7964
4618	6 Bootis ..... e	6	42 37,21	2,837	−0,0042	+0,006	8.8117	8.4932	0.4528	−8.3856
4619	Virginis	7	42 40,41	3,140	+0,0084	+0,002	8.7819	8.4637	0.4970	+7.8584
4620*	Centauri	6	42 50,70	3,487	+0,0296	−0,058	8.8689	8.5515	0.5425	+8.6348
4621*	Bootis	6	42 56,69	2,866	−0,0031	.....	8.8039	8.4870	0.4573	−8.3247
4622	Virginis	7	42 58,27	3,142	+0,0086	+0,004	8.7818	8.4650	0.4973	+7.8699
4623	3 Centauri ..... k	4½	43 11,26	3,438	+0,0261	+0,005	8.8511	8.5353	0.5363	+8.5783
4624	Centauri	6	43 25,61	3,419	+0,0248	+0,008	8.8445	8.5299	0.5339	+8.5547
4625	Centauri	6	44 1,22	3,838	+0,0578	−0,008	8.9944	8.6827	0.5841	+8.8946
4626	Centauri	•	44 16,93	4,113	+0,0850	.....	9.0863	8.7758	0.6142	+9.0264
4627*	Canum Ven.....	7	44 27,02	2,651	−0,0087	.....	8.8666	8.5569	0.4234	−8.6307
4628*	Canum Ven.....	6	44 31,17	2,652	−0,0088	.....	8.8659	8.5566	0.4236	−8.6290
4629	4 Centauri ..... h	5	44 35,57	3,427	+0,0251	+0,004	8.8448	8.5358	0.5349	+8.5590
4630*	Centauri	6½	44 39,27	3,689	+0,0446	+0,020	8.9382	8.6296	0.5670	+8.7980
4631*	Centauri	6	44 47,55	3,483	+0,0289	−0,019	8.8631	8.5550	0.5419	+8.6208
4632*	Canum Ven.....	6	45 10,36	2,653	−0,0086	.....	8.8642	8.5580	0.4237	−8.6249
4633	Apodis	6	45 14,98	5,823	+0,3523	−0,056	9.4532	9.1473	0.7651	+9.4433
4634	Bootis	7½	45 20,18	2,884	−0,0022	+0,012	8.7969	8.4914	0.4600	−8.2745
4635	Centauri	6	13 45 34,35	+3,816	+0,0550	+0,011	−8.9812	−8.6769	+0.5816	+8.8743

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
4591	98 57 15,2	+18,20	−0,193	.....	−9.5604	−9.1500	+1.2601	−9.6231	....	....	.....	....	....	B.F 1886
4592	58 20 43,5	18,20	0,167	+0,04	−9.7709	+9.6777	1.2600	9.6238	....	195	iii.1699	....	....	B.F 1890
4593	95 57 11,9	18,19	0,192	+0,05	−9.5887	−8.9735	1.2599	9.6243	....	192	iv. 903			
4594	63 32 30,8	18,19	0,172	+0,01	−9.7607	+9.6064	1.2597	9.6249	1808	196	ii.1568			
4595	50 44 37,7	18,18	0,161	.....	−9.7803	+9.7587	1.2597	9.6252	....	....	.....	....	....	B.F 1892
4596	48 9 24,0	18,18	0,158	.....	−9.7816	+9.7816	1.2596	9.6254	....	....	.....	....	....	G 2044
4597	71 47 35,7	18,17	0,178	−0,05	−9.7359	+9.4519	1.2594	9.6265	1810	199	ii.1569			
4598	158 39 7,7	18,17	0,279	−0,10	+9.3735	−9.9262	1.2593	9.6268	....	....	.....	5678	4637	R 355
4599	96 5 11,1	18,16	0,194	+0,04	−9.5872	−8.9823	1.2591	9.6278	1809	201	ii.1571			
4600	50 42 18,2	18,16	0,161	.....	−9.7816	+9.7584	1.2590	9.6281	....	....	.....	....	....	B.F 1894
4601	130 56 15,5	18,16	0,221	+0,09	−8.6946	−9.7732	1.2590	9.6281	....	197	ii.1570	5683	4644	J307, R356
4602	131 43 26,6	18,15	0,222	+0,10	−8.6128	−9.7799	1.2590	9.6284	....	198	ii.1572	5684	4645	J308, R357
4603	123 41 58,3	18,15	0,214	+0,15	−9.0962	−9.7008	1.2588	9.6291	1807	202	ii.1573	5688	4647	P 548, J309
4604	92 5 26,8	18,14	0,192	+0,04	−9.6213	−8.5186	1.2587	9.6296	....	203	iii.1701			
4605	34 49 3,2	18,14	0,140	+0,11	−9.7767	+9.8707	1.2586	9.6300	1812	205	iii.1702	....	....	G 2049
4606	57 50 57,7	18,12	0,170	.....	−9.7750	+9.6819	1.2581	9.6323	....	....	.....	....	....	B.F 1896
4607	39 56 11,0	18,12	0,149	+0,03	−9.7836	+9.8405	1.2581	9.6325	1815	209	ii.1575	....	....	M 554
4608	107 23 5,4	18,11	0,204	+0,05	−9.4561	−9.4311	1.2580	9.6329	1811	204	ii.1574	....	4653	M 553
4609	47 12 2,7	18,11	0,159	.....	−9.7855	+9.7879	1.2579	9.6330	....	....	.....	....	....	G 2051
4610	58 3 46,9	18,11	0,170	.....	−9.7751	+9.6790	1.2578	9.6335	....	....	.....	....	....	B.F 1898
4611	152 36 35,9	18,11	0,262	.....	+9.2608	−9.9039	1.2578	9.6336	....	....	.....	....	4649	R 358
4612	152 38 59,1	18,10	0,263	.....	+9.2620	−9.9041	1.2578	9.6338	....	....	.....	....	....	R 359
4613	110 7 24,8	18,10	0,206	+0,16	−9.4140	−9.4921	1.2577	9.6340	....	206	ii.1576			
4614	11 11 2,6	18,10	0,010	−0,07	−9.7049	+9.9471	1.2576	9.6343	....	....	.....	....	....	G 2053
4615	73 27 20,4	18,09	0,182	−0,05	−9.7315	+9.4098	1.2575	9.6350	1813	210	ii.1577			
4616	142 3 54,3	18,08	0,240	+0,21	+8.8704	−9.8520	1.2573	9.6358	....	....	v.2496	5700	4656	
4617	136 9 9,6	18,08	0,232	+0,14	+8.0531	−9.8131	1.2572	9.6360	....	207	v.2497	5702	4657	
4618	67 59 7,0	18,08	0,179	−0,16	−9.7517	+9.5288	1.2572	9.6364	1816	215	ii.1578			
4619	96 50 56,5	18,08	0,198	0,00	−9.5789	−9.0314	1.2571	9.6367	....	213	iii.1707			
4620	125 40 42,7	18,07	0,221	−0,96	−8.9978	−9.7206	1.2569	9.6373	....	....	v.2499	5706	4659	
4621	70 37 23,4	18,07	0,182	.....	−9.7431	+9.4755	1.2569	9.6377	....	....	.....	....	....	B.F 1901
4622	97 2 10,8	18,07	0,199	−0,06	−9.5769	−9.0428	1.2568	9.6378	....	218	iii.1708			
4623	122 14 54,4	18,06	0,218	+0,11	−9.1297	−9.6816	1.2566	9.6387	1814	216	iv. 906	5708	4662	J 310
4624	120 52 26,9	18,05	0,218	+0,37	−9.1723	−9.6644	1.2564	9.6396	....	....	v.2502	5712	4663	
4625	142 37 42,5	18,02	0,245	−0,08	+8.9294	−9.8539	1.2559	9.6419	....	....	v.2503	5711	4665	
4626	150 35 45,2	18,02	0,264	.....	+9.2299	−9.8935	1.2556	9.6429	....	....	.....	....	....	R 360
4627	54 28 55,9	18,01	0,170	.....	−9.7846	+9.7174	1.2555	9.6436	....	....	.....	....	....	B.F 1904
4628	54 35 11,9	18,01	0,170	.....	−9.7846	+9.7162	1.2554	9.6439	....	....	.....	....	....	B.F 1905
4629	121 11 3,9	18,00	0,220	+0,06	−9.1556	−9.6673	1.2553	9.6441	1817	221	ii.1580	5725	4669	J 311
4630	136 23 10,8	18,00	0,237	−0,02	+8.2989	−9.8128	1.2553	9.6444	....	....	v.2505	5719	4668	R 361
4631	124 55 16,8	18,00	0,224	+0,07	−9.0133	−9.7107	1.2551	9.6449	....	222	iii.1709	5726	4671	
4632	54 48 7,6	17,98	0,171	.....	−9.7853	+9.7133	1.2548	9.6464	....	....	.....	....	....	B.F 1907
4633	167 50 53,4	17,98	0,376	−0,73	+9.5339	−9.9427	1.2547	9.6467	....	....	.....	5694	4666	
4634	72 31 23,0	17,97	0,187	−0,25	−9.7381	+9.4300	1.2546	9.6470	....	228	iii.1712	....	....	B.F 1906
4635	141 25 10,8	+17,96	−0,247	+0,01	+8.8859	−9.8453	+1.2544	−9.6479	....	....	v.2507	5727	4677	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4636	Hydræ	6	13 45 48,08	+3,385	+0,0222	−0,011	−8.8293	−8.5260	+0.5296	+8.4984
4637	7 Bootis	6	46 2,79	2,869	−0,0026	0,000	8.7992	8.4971	0.4577	−8.3046
4638	Centauri ..... ζ	3	46 12,67	3,702	+0,0450	−0,009	8.9381	8.6368	0.5684	+8.7990
4639*	Virginis	7	46 12,73	3,247	+0,0140	.....	8.7936	8.4924	0.5115	+8.2454
4640	Bootis	6½	46 22,25	2,734	−0,0065	+0,005	8.8352	8.5347	0.4367	−8.5260
4641	Centauri	6	46 31,40	3,877	+0,0601	−0,025	8.9997	8.6999	0.5885	+8.9043
4642	Centauri	6	46 41,80	+3,895	+0,0616	−0,014	9.0054	8.7064	+0.5906	+8.9131
4643	Ursæ Minoris	6	46 51,38	−2,208	+0,5763	−0,023	9.7213	9.4231	−0.3440	−9.7185
4644	Centauri	6	46 52,23	+4,248	+0,0974	+0,026	9.1170	8.8189	+0.6281	+9.0667
4645	90 Virginis..... *p*	6	47 0,35	3,079	+0,0056	+0,003	8.7748	8.4773	0.4884	+6.8991
4646*	10 Draconis ..... *i*	4½	47 2,98	1,752	−0,0030	+0,003	9.1564	8.8591	0.2435	−9.1153
4647*	Virginis	7	47 6,59	3,148	+0,0088	−0,006	8.7782	8.4812	0.4980	+7.8833
4648	8 Bootis ..... η	3	47 32,58	2,861	−0,0027	+0,001	8.7990	8.5040	0.4565	−8.3149
4649*	86 Ursæ Majoris	6	48 19,77	2,218	−0,0113	+0,012	9.0092	8.7179	0.3460	−8.9197
4650*	Hydræ	6	48 24,36	3,380	+0,0215	−0,008	8.8232	8.5323	0.5289	+8.4792
4651	92 Virginis	6½	48 49,48	3,052	+0,0045	−0,008	8.7732	8.4842	0.4845	−7.2672
4652*	Canum Ven.....	7	49 2,04	2,676	−0,0074	.....	8.8481	8.5600	0.4276	−8.5814
4653	Centauri ..... φ	4½	49 10,53	3,611	+0,0369	−0,003	8.8973	8.6100	0.5576	+8.7174
4654	Centauri ..... v^1	5	49 26,29	3,665	+0,0409	−0,011	8.9160	8.6298	0.5641	+8.7583
4655	Centauri	6½	49 42,18	4,170	+0,0866	−0,047	9.0831	8.7982	0.6202	+9.0239
4656	9 Bootis	5	49 43,15	2,740	−0,0059	+0,006	8.8271	8.5423	0.4377	−8.5020
4657	47 Hydræ	6	50 6,81	3,349	+0,0194	−0,002	8.8118	8.5288	0.5249	+8.4251
4658	Virginis	7	50 25,15	+3,195	+0,0111	+0,029	8.7800	8.4984	+0.5044	+8.0728
4659	Ursæ Minoris	6	50 37,29	−0,356	+0,1853	.....	9.5204	9.2397	−9.5519	−9.5134
4660	Apodis ..... θ	5	50 54,43	+5,579	+0,2860	−0,052	9.3894	9.1101	+0.7465	+9.3765
4661	Apodis	•	51 7,49	6,020	+0,3705	.....	9.4553	9.1770	0.7796	+9.4458
4662	Bootis	6	51 25,73	2,899	−0,0011	+0,003	8.7863	8.5093	0.4622	−8.2100
4663	48 Hydræ	6	51 36,85	3,353	+0,0195	−0,012	8.8104	8.5343	0.5254	+8.4244
4664	10 Bootis	6½	51 37,15	2,812	−0,0037	+0,003	8.8044	8.5283	0.4491	−8.3860
4665	Virginis	7	52 3,15	3,102	+0,0067	−0,002	8.7703	8.4962	0.4916	+7.4616
4666	Virginis	7	52 10,44	3,153	+0,0090	−0,011	8.7733	8.4998	0.4987	+7.8849
4667	Centauri	6	52 16,89	3,589	+0,0345	−0,012	8.8821	8.6091	0.5550	+8.6856
4668	Centauri ..... v^2	5	52 23,67	3,698	+0,0424	−0,003	8.9190	8.6465	0.5679	+8.7676
4669	Centauri ..... β	1	53 17,41	4,154	+0,0820	−0,009	9.0650	8.7965	0.6184	+9.0009
4670	Centauri	6	53 20,50	3,994	+0,0666	−0,026	9.0152	8.7470	0.6014	+8.9311
4671	Hydræ	5½	53 51,81	3,391	+0,0214	−0,001	8.8169	8.5511	0.5304	+8.4695
4672	93 Virginis ..... τ	4½	54 1,07	3,045	+0,0045	+0,005	8.7681	8.5030	0.4836	−7.3665
4673	Virginis	7	54 17,26	3,292	+0,0158	+0,005	8.7921	8.5281	0.5174	+8.3065
4674	Centauri	6	54 20,47	3,454	+0,0251	−0,001	8.8342	8.5705	0.5384	+8.5456
4675	11 Bootis	6	54 22,21	2,729	−0,0055	−0,005	8.8220	8.5584	0.4360	−8.4952
4676	Centauri	7	54 43,17	2,665	−0,0067	.....	8.8400	8.5780	0.4257	−8.5678
4677*	Bootis	6	55 41,45	3,959	+0,0622	−0,059	8.9963	8.7386	0.5976	+8.9039
4678*	Bootis	7	55 54,96	2,660	−0,0066	.....	8.8392	8.5826	0.4249	−8.5681
4679	Virginis	6½	56 20,29	3,236	+0,0129	+0,003	8.7789	8.5242	0.5100	+8.1701
4680*	Virginis	7	13 56 25,08	+3,168	+0,0096	−0,011	−8.7701	−8.5158	+0.5008	+7.9416

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4636	117 49 28,9	+17,96	−0,220	−0,01	−9.2453	−9.6211	+1.2542	−9.6488	....	230	ii.1581	5742	4681	
4637	71 19 31,7	17,95	0,187	+0,01	−9.7435	+9.4572	1.2540	9.6497	1818	234	ii.1583			
4638	136 32 49,6	17,94	0,241	+0,11	+8.4150	−9.8125	1.2538	9.6503	....	231	ii.1582	5737	4683	J 312, R 362
4639	106 26 18,5	17,94	0,212	.....	−9.4620	−9.4034	1.2538	9.6503	....	....	.....	....	....	Z 960
4640	60 36 45,9	17,93	0,178	+0,12	−9.7766	+9.6423	1.2537	9.6509	....	235	iii.1716	....	....	B.F 1911
4641	143 23 30,4	17,93	0,254	−0,11	+9.0043	−9.8559	1.2535	9.6515	....	....	v.2511	5741	4685	
4642	143 57 22,5	17,92	−0,255	0,00	+9.0322	−9.8589	1.2534	9.6522	....	....	v.2513	5744	4689	
4643	6 29 44,6	17,91	+0,145	+0,09	−9.6953	+9.9482	1.2532	9.6528	....	263	iv. 915	....	....	G 2063
4644	152 56 48,3	17,91	−0,279	−0,05	+9.3075	−9.9006	1.2532	9.6528	....	....	.....	5733	4687	
4645	90 45 46,1	17,91	0,202	+0,04	−9.6313	−8.0751	1.2531	9.6533	1819	237	ii.1584	....	....	M 555
4646	24 32 5,7	17,91	0,115	+0,06	−9.7707	+9.9097	1.2530	9.6535	1823	243	ii.1586			
4647	97 19 5,1	17,90	0,207	+0,03	−9.5717	−9.0558	1.2530	9.6537	1820	238	ii.1585	....	....	Airy (C)
4648	70 50 50,5	17,89	0,189	+0,35	−9.7469	+9.4663	1.2525	9.6554	1821	240	ii.1587			
4649	35 32 0,1	17,86	0,147	+0,11	−9.7943	+9.8601	1.2518	9.6583	1824	250	iii.1719	....	....	G 2062
4650	116 55 27,2	17,85	0,225	+0,15	−9.2567	−9.6054	1.2517	9.6586	....	....	v.2521	5764	4702	
4651	88 12 46,3	17,84	0,204	−0,03	−9.6514	+8.4431	1.2513	9.6601	1822	248	iii.1721			
4652	57 14 2,1	17,83	0,179	.....	−9.7873	+9.6823	1.2511	9.6609	....	....	.....	....	....	B.F 1917
4653	131 21 58,7	17,82	0,242	+0,19	−8.3560	−9.7689	1.2510	9.6614	....	246	ii.1588	5768	4704	J 313
4654	134 4 9,7	17,81	0,246	+0,25	+7.8921	−9.7908	1.2507	9.6624	....	249	ii.1589	5770	4707	J 314
4655	150 44 48,4	17,80	0,280	−0,08	+9.2783	−9.8890	1.2504	9.6633	....	....	.....	5766	4708	R 363
4656	61 46 13,2	17,80	0,184	+0,07	−9.7783	+9.6231	1.2504	9.6634	1826	254	ii.1590			
4657	114 14 13,1	17,78	0,226	+0,04	−9.3139	−9.5611	1.2500	9.6648	1825	253	ii.1591	5777	....	B.F 1914
4658	101 19 10,9	17,77	−0,216	+0,20	−9.5244	−9.2404	1.2497	9.6659	....	256	iv. 918			
4659	10 15 50,4	17,76	+0,024	.....	−9.7275	+9.9403	1.2495	9.6667	....	....	.....	....	....	G 2066
4660	166 4 14,9	17,75	−0,379	+0,30	+9.5405	−9.9341	1.2493	9.6677	....	....	.....	5757	4712	
4661	168 4 5,8	17,74	0,409	.....	+9.5638	−9.9373	1.2490	9.6685	....	....	.....	....	....	R 364
4662	74 37 1,0	17,73	0,198	+0,19	−9.7343	+9.3702	1.2487	9.6696	....	264	iii.1728			
4663	114 16 29,1	17,72	0,229	+0,09	−9.3079	−9.5603	1.2485	9.6702	1827	262	iii.1729	5780	....	B.F 1919
4664	67 34 6,4	17,72	0,192	+0,02	−9.7632	+9.5279	1.2485	9.6703	1828	266	iii.1730			
4665	92 48 57,3	17,71	0,212	+0,05	−9.6131	−8.6372	1.2481	9.6718	....	269	ii.1593			
4666	97 25 44,3	17,70	0,216	+0,05	−9.5676	−9.0573	1.2480	9.6722	....	270	ii.1594	....	....	M 556
4667	129 29 31,9	17,70	0,246	−0,14	−8.5515	−9.7491	1.2479	9.6726	....	....	v.2532	5783	4728	
4668	134 52 28,7	17,69	0,254	+0,12	+8.3945	−9.7941	1.2478	9.6730	....	267	ii.1595	5782	4729	
4669	149 38 44,6	17,65	0,287	+0,07	+9.2790	−9.8806	1.2469	9.6762	....	....	ii.1596	5784	4733	J 315, R 365
4670	145 29 14,0	17,65	0,276	+0,23	+9.1620	−9.8605	1.2468	9.6764	....	....	v.2535	5786	4735	
4671	116 42 12,0	17,63	0,236	+0,12	−9.2393	−9.5967	1.2463	9.6782	....	274	ii.1597	5788	4738	
4672	87 43 37,5	17,62	0,212	+0,07	−9.6556	+8.5423	1.2461	9.6787	1829	275	ii.1598			
4673	109 4 58,3	17,61	0,230	+0,05	−9.4043	−9.4581	1.2458	9.6797	....	276	iii.1735			
4674	120 57 38,7	17,61	0,241	−0,13	−9.1004	−9.6549	1.2458	9.6799	....	....	v.2539	5791	4741	
4675	61 53 10,6	17,61	0,191	−0,02	−9.7841	+9.6168	1.2457	9.6800	1830	282	ii.1599			
4676	57 42 27,6	17,59	0,187	.....	−9.7946	+9.6709	1.2454	9.6812	....	....	.....	....	....	B.F 1924
4677	143 56 45,6	17,55	0,279	−0,02	+9.1323	−9.8498	1.2444	9.6845	....	....	v.2541	5797	4746	
4678	57 36 58,6	17,54	0,188	.....	−9.7966	+9.6707	1.2441	9.6853	....	....	.....	....	....	B.F 1927
4679	104 14 51,4	17,53	0,229	+0,03	−9.4786	−9.3326	1.2437	9.6867	....	286	ii.1600			
4680	98 32 2,5	+17,52	−0,225	−0,01	−9.5527	−9.1128	+1.2436	−9.6870	....	287	ii.1601	....	....	B.H 1427 ?

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4681	Centauri ..... χ	5	13 56 54,81	+3,627	+0,0358	+0,009	−8.8835	−8.6313	+0.5596	+8.6956
4682*	Virginis	7½	57 2,81	3,253	+0,0137	.....	8.7810	8.5294	0.5123	+8.2109
4683	Virginis	7	57 6,85	3,235	+0,0128	−0,007	8.7779	8.5266	0.5099	+8.1656
4684*	Bootis	7	57 25,02	2,241	−0,0095	+0,015	8.9719	8.7220	0.3504	−8.8667
4685	49 Hydræ ..... π	4½	57 50,59	3,391	+0,0209	+0,007	8.8100	8.5619	0.5303	+8.4511
4686	5 Centauri ..... θ	2½	57 52,49	3,542	+0,0299	−0,037	8.8538	8.6059	0.5493	+8.6191
4687	Centauri	6	58 5,70	3,802	+0,0481	−0,011	8.9379	8.6909	0.5800	+8.8088
4688	94 Virginis	6	58 21,58	3,165	+0,0095	+0,002	8.7677	8.5219	0.5004	+7.9204
4689	Draconis	6	58 32,97	1,312	+0,0156	+0,019	9.2167	8.9718	0.1178	−9.1880
4690	95 Virginis	6	58 47,21	3,171	+0,0097	−0,007	8.7677	8.5238	0.5012	+7.9422
4691*	Virginis	7	59 4,27	3,254	+0,0136	−0,005	8.7785	8.5359	0.5125	+8.2047
4692	Apodis ..... η	5	59 45,17	6,972	+0,5413	−0,058	9.5349	9.2953	0.8434	+9.5287
4693	Centauri	6	59 45,93	3,889	+0,0543	−0,014	8.9609	8.7213	0.5898	+8.8501
4694*	Bootis	7	59 47,31	2,661	−0,0061	.....	8.8312	8.5918	0.4250	−8.5502
4695	Centauri	6	13 59 58,25	3,949	+0,0590	−0,024	8.9792	8.7405	0.5965	+8.8799
4696	11 Draconis ..... α	3½	14 0 19,75	1,627	+0,0023	−0,009	9.1367	8.8995	0.2115	−9.0943
4697	Virginis	7	0 27,13	3,202	+0,0112	−0,002	8.7692	8.5326	0.5055	+8.0542
4698	96 Virginis	6½	1 1,51	3,185	+0,0103	+0,003	8.7665	8.5324	0.5031	+7.9895
4699*	Bootis	5½	1 55,89	2,403	−0,0086	+0,007	8.9066	8.6764	0.3807	−8.7528
4700*	Virginis	5½	2 39,31	3,261	+0,0137	−0,005	8.7748	8.5478	0.5133	+8.2042
4701*	13 Bootis	6	2 40,45	2,253	−0,0087	−0,008	8.9519	8.7250	0.3528	−8.8372
4702	Virginis	7	3 5,10	3,207	+0,0112	−0,003	8.7664	8.5413	0.5060	+8.0563
4703	Centauri	6	3 7,01	4,538	+0,1133	+0,036	9.1320	8.9070	0.6568	+9.0893
4704	Centauri	6	3 13,30	3,978	+0,0598	−0,001	8.9780	8.7534	0.5996	+8.8801
4705	Octantis ..... δ	5	3 29,22	8,637	+0,9674	−0,113	9.6700	9.4466	0.9363	+9.6668
4706	12 Bootis ..... d	5½	3 33,49	2,739	−0,0040	+0,003	8.8031	8.5800	0.4375	−8.4419
4707	Virginis	7	4 1,82	3,136	+0,0083	+0,017	8.7589	8.5378	0.4964	+7.7341
4708	50 Hydræ	5	4 11,19	3,415	+0,0214	+0,002	8.8052	8.5847	0.5334	+8.4555
4709	Centauri	5½	4 33,40	4,110	+0,0702	+0,003	9.0131	8.7942	0.6139	+8.9336
4710	97 Virginis	7	4 34,28	3,183	+0,0102	+0,007	8.7619	8.5432	0.5028	+7.9653
4711*	Hydræ	6½	4 39,43	3,407	+0,0209	.....	8.8022	8.5838	0.5323	+8.4426
4712*	Apodis ..... ε	5	4 39,94	6,770	+0,4714	+0,059	9.4918	9.2734	0.8306	+9.4843
4713*	Virginis	6	4 40,53	3,033	+0,0044	−0,001	8.7568	8.5385	0.4819	−7.4924
4714	Bootis	7	4 42,78	2,621	−0,0060	+0,007	8.8326	8.6144	0.4185	−8.5687
4715	Circini	6	4 54,08	4,619	+0,1203	+0,045	9.1447	8.9273	0.6646	+9.1050
4716	98 Virginis ..... κ	4	4 54,16	3,188	+0,0104	+0,007	8.7620	8.5447	0.5035	+7.9830
4717	Virginis	7	5 0,55	3,102	+0,0070	−0,005	8.7563	8.5394	0.4917	+7.4128
4718*	3 Ursæ Minoris	6	5 48,44	0,411	+0,0769	.....	9.3506	9.1371	9.6133	−9.3362
4719	Hydræ	6½	6 21,25	3,452	+0,0231	−0,017	8.8107	8.5995	0.5381	+8.4904
4720*	Virginis	6½	6 32,93	3,135	+0,0083	−0,015	8.7559	8.5455	0.4962	+7.7172
4721	14 Bootis	5½	6 52,47	2,900	+0,0004	−0,013	8.7661	8.5572	0.4624	−8.1395
4722	Virginis	6	7 8,80	3,293	+0,0150	+0,008	8.7739	8.5661	0.5175	+8.2520
4723*	Bootis	7	7 15,76	2,667	−0,0049	.....	8.8148	8.6075	0.4260	−8.5113
4724	15 Bootis	6	7 30,34	2,936	+0,0014	+0,004	8.7607	8.5544	0.4677	−8.0338
4725	Bootis	8	14 8 5,52	+2,147	−0,0073	+0,026	−8.9677	−8.7639	+0.3318	−8.8671

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4681	130 27 31,9	+17,50	−0,258	+0,20	−8.1239	−9.7530	+1.2431	−9.6887	....	288	ii.1602	5810	4757	J 316
4682	105 36 47,7	17,50	0,232	.....	−9.4568	−9.3707	1.2429	9.6891	....	....	.....	....	....	B.F 1925
4683	104 7 59,8	17,49	0,231	+0,03	−9.4791	−9.3284	1.2429	9.6894	....	290	iii.1741			
4684	38 18 20,3	17,48	0,160	+0,09	−9.8154	+9.8350	1.2425	9.6904	....	296	iii.1743	....	....	B.F 1932
4685	115 57 23,9	17,46	0,243	+0,14	−9.2428	−9.5810	1.2421	9.6918	1832	295	ii.1603	5821	4765	B.F 1928
4686	125 37 46,9	17,46	0,254	+0,63	−8.8202	−9.7052	1.2421	9.6919	1831	293	ii.1604	5820	4766	M 558
4687	137 59 5,6	17,45	0,273	+0,12	+8.8785	−9.8106	1.2418	9.6927	....	....	v.2550	5818	4768	
4688	98 10 20,6	17,44	0,228	−0,02	−9.5556	−9.0921	1.2415	9.6935	1833	297	ii.1605	....	....	M 559
4689	20 35 55,3	17,43	0,095	+0,04	−9.7893	+9.9104	1.2413	9.6942	....	306	iii.1746	....	....	G 2075
4690	98 35 41,6	17,42	0,229	−0,02	−9.5504	−9.1133	1.2411	9.6950	1834	299	ii.1606	....	....	M 560
4691	105 28 27,6	17,41	0,236	+0,27	−9.4559	−9.3647	1.2408	9.6959	....	300	iv. 927	....	....	B.F 1931
4692	170 17 43,0	17,38	0,508	−0,25	+9.6219	−9.9315	1.2400	9.6982	....	....	.....	5792	4772	
4693	140 47 26,3	17,38	0,283	+0,16	+9.0508	−9.8270	1.2400	9.6982	....	....	v.2557	5825	4778	
4694	58 25 44,1	17,38	0,194	.....	−9.8001	+9.6567	1.2400	9.6983	....	....	.....	....	....	B.F 1934
4695	142 43 12,1	17,37	0,288	0,00	+9.1300	−9.8383	1.2398	9.6989	....	....	v.2558	5827	4779	
4696	24 54 22,9	17,35	0,119	+0,02	−9.8044	+9.8948	1.2394	9.7001	1836	312	ii.1607			
4697	101 6 50,0	17,35	0,234	+0,06	−9.5173	−9.2221	1.2393	9.7005	....	308	iii.1750			
4698	99 37 17,3	17,32	0,234	0,00	−9.5362	−9.1595	1.2386	9.7023	1835	311	ii.1608			
4699	45 25 52,3	17,28	0,178	+0,12	−9.8230	+9.7816	1.2376	9.7053	....	316	iii.1752	....	....	B.H 233
4700	105 35 28,6	17,25	0,243	+0,06	−9.4486	−9.3640	1.2368	9.7076	....	317	ii.1610	....	4797	B.H 1451
4701	39 49 57,8	17,25	0,168	+0,03	−9.8259	+9.8199	1.2368	9.7076	1838	6	iii.1755	....	....	G 2080
4702	101 14 27,2	17,23	0,239	+0,08	−9.5131	−9.2240	1.2363	9.7089	....	2	iii.1756			
4703	154 59 52,6	17,23	0,339	+0,29	+9.4478	−9.8913	1.2363	9.7090	....	....	.....	5836	4795	
4704	142 57 21,2	17,23	0,297	−0,23	+9.1685	−9.8361	1.2362	9.7094	....	....	v.2567	5840	4798	
4705	172 58 23,8	17,21	0,646	+0,03	+9.6592	−9.9304	1.2359	9.7102	....	....	ii.1609	5802	4790	J 319, R 366
4706	64 11 42,5	17,21	0,205	+0,06	−9.7883	+9.5724	1.2358	9.7104	1839	8	ii.1611			
4707	95 25 12,7	17,19	0,236	+0,18	−9.5835	−8.9083	1.2353	9.7119	....	10	iii.1759			
4708	116 33 7,3	17,18	0,257	+0,04	−9.1978	−9.5832	1.2351	9.7124	1837	9	ii.1612	5856	4809	B.F 1935
4709	146 22 46,0	17,17	0,310	−0,15	+9.2794	−9.8529	1.2347	9.7136	....	....	v.2574	5850	4810	
4710	99 11 30,1	17,16	0,240	+0,02	−9.5388	−9.1358	1.2346	9.7136	1841	11	ii.1613			
4711	115 54 21,6	17,16	0,257	+0,12	−9.2156	−9.5727	1.2345	9.7139	1840	....	v.2575	5858	4812	
4712	169 24 20,9	17,16	0,511	−0,54	+9.6324	−9.9248	1.2345	9.7139	....	....	.....	5828	4799	R 367
4713	86 52 53,6	17,16	0,229	+0,04	−9.6642	+8.6679	1.2345	9.7140	....	12	ii.1614	....	....	B.H 1449
4714	56 59 48,8	17,16	0,198	−0,02	−9.8102	+9.6684	1.2345	9.7141	....	16	iii.1760	....	....	B.F 1944
4715	155 53 9,4	17,15	0,349	+0,22	+9.4711	−9.8924	1.2343	9.7147	....	....	.....	5846	4811	
4716	99 34 24,6	17,15	0,241	−0,01	−9.5336	−9.1530	1.2343	9.7147	1842	14	ii.1615	....	....	M 563, J 321
4717	92 35 57,2	17,15	0,235	+0,29	−9.6128	−8.5885	1.2341	9.7150	....	15	iii.1762			
4718	14 41 42,0	17,11	0,031	−0,07	−9.7887	+9.9166	1.2332	9.7175	....	27	iii.1763	....	....	G 2085
4719	118 34 30,9	17,08	0,264	−0,49	−9.1159	−9.6101	1.2326	9.7192	....	....	v.2582	5869	4824	B.F 1943
4720	95 14 54,2	17,08	0,240	−0,02	−9.5846	−8.8914	1.2324	9.7198	1843	19	iii.1764	....	....	M 564
4721	76 20 4,5	17,06	0,222	+0,06	−9.7371	+9.3031	1.2320	9.7208	1844	23	ii.1616			
4722	107 29 52,2	17,05	0,253	+0,01	−9.4074	−9.4075	1.2317	9.7216	....	22	ii.1617	....	....	B.H 1452
4723	60 11 28,6	17,04	0,205	.....	−9.8053	+9.6257	1.2315	9.7220	....	....	.....	....	....	B.F 1948
4724	79 11 25,5	17,03	0,226	+0,17	−9.7204	+9.2021	1.2312	9.7227	1845	25	ii.1618			
4725	37 30 26,1	+17,00	−0,166	−0,04	−9.8356	+9.8277	+1.2305	−9.7245	....	30	iv. 938			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4726	17 Bootis x	5	14 8 6,41	+2,147	−0,0073	+0,012	−8.9677	−8.7639	+0.3318	−8.8671
4727	99 Virginis i	4	8 9,41	3,136	+0,0083	+0,006	8.7540	8.5504	0.4964	+7.7181
4728	Bootis	6	8 20,31	2,426	−0,0074	.....	8.8824	8.6796	0.3849	−8.7098
4729	16 Bootis ..... α	1	8 49,30	2,812	−0,0018	−0,078	8.7783	8.5775	0.4490	−8.3116
4730	Centauri	6	8 53,06	4,334	+0,0875	−0,044	9.0599	8.8594	0.6369	+8.9999
4731	Bootis	6	9 1,02	2,816	−0,0017	+0,004	8.7771	8.5772	0.4497	−8.3030
4732*	Ursæ Minoris	5	9 19,15	+1,091	+0,0261	+0,019	9.2196	9.0209	+0.0379	−9.1930
4733*	4 Ursæ Minoris	var.	9 30,89	−0,372	+0,1565	−0,015	9.4417	9.2439	−9.5707	−9.4325
4734	Lupi i	4½	9 49,72	+3,797	+0,0435	+0,009	8.9034	8.7069	+0.5795	+8.7557
4735	Centauri	6	9 52,63	4,123	+0,0681	−0,018	8.9991	8.8028	0.6152	+8.9161
4736*	Bootis	6	10 1,25	2,109	−0,0067	.....	8.9728	8.7771	0.3241	−8.8765
4737	101 Virginis	6½	10 17,97	2,865	−0,0003	.....	8.7667	8.5721	0.4571	−8.2059
4738*	Bootis	7	10 18,26	2,457	−0,0070	.....	8.8682	8.6736	0.3904	−8.6802
4739	Libræ	6½	10 20,41	3,305	+0,0153	.....	8.7714	8.5770	0.5191	+8.2618
4740	Hydræ	6	10 31,12	3,409	+0,0203	−0,028	8.7925	8.5989	0.5326	+8.4207
4741	19 Bootis ..... λ	4	10 40,69	2,303	−0,0075	−0,015	8.9136	8.7206	0.3622	−8.7761
4742	21 Bootis i	4	10 51,08	2,144	−0,0069	−0,014	8.9602	8.7679	0.3312	−8.8571
4743	100 Virginis ..... λ	4	11 0,15	3,233	+0,0121	+0,004	8.7594	8.5678	0.5097	+8.1008
4744	Centauri	6	11 9,89	3,782	+0,0420	+0,003	8.8952	8.7043	0.5777	+8.7408
4745	Centauri ..... ψ	5	11 27,41	3,621	+0,0317	−0,002	8.8469	8.6572	0.5589	+8.6283
4746	Circini	7½	11 33,05	4,698	+0,1217	.....	9.1380	8.9486	0.6719	+9.0985
4747*	Bootis ..... A	6	11 39,02	2,539	−0,0061	−0,007	8.8411	8.6522	0.4046	−8.6124
4748	102 Virginis ..... υ¹	6	11 49,05	3,091	+0,0066	−0,004	8.7479	8.5597	0.4900	+7.1855
4749	Centauri	6	11 55,97	4,225	+0,0756	−0,004	9.0206	8.8328	0.6258	+8.9479
4750	Virginis	7	12 0,67	3,148	+0,0087	−0,013	8.7499	8.5625	0.4980	+7.7729
4751	18 Bootis	6	12 0,69	2,893	+0,0005	+0,010	8.7600	8.5726	0.4614	−8.1345
4752*	Bootis	6	12 1,17	2,138	−0,0066	+0,002	8.9582	8.7708	0.3301	−8.8547
4753	20 Bootis	6	12 39,31	2,847	−0,0006	−0,008	8.7661	8.5813	0.4544	−8.2320
4754	Apodis	6	12 44,26	4,838	+0,1358	−0,035	9.1639	8.9795	0.6847	+9.1295
4755	Lupi	6	12 52,11	3,874	+0,0476	−0,010	8.9178	8.7340	0.5881	+8.7864
4756*	Bootis	6	13 15,71	2,106	−0,0062	.....	8.9637	8.7815	0.3234	−8.8645
4757	Centauri	6	13 21,13	3,568	+0,0283	−0,012	8.8278	8.6459	0.5524	+8.5764
4758	Bootis	6	13 38,03	2,464	−0,0065	.....	8.8580	8.6773	0.3917	−8.6614
4759	Centauri	5	13 48,86	3,664	+0,0338	−0,005	8.8537	8.6737	0.5639	+8.6509
4760	Centauri	6	13 52,74	3,724	+0,0375	−0,062	8.8711	8.6914	0.5711	+8.6929
4761	Apodis	6½	13 56,85	6,040	+0,3000	−0,046	9.3629	9.1834	0.7810	+9.3499
4762	103 Virginis ..... υ²	6	14 14,95	3,087	+0,0066	−0,003	8.7448	8.5666	0.4896	+7.1004
4763*	51 Hydræ	6	14 28,09	3,449	+0,0219	−0,011	8.7948	8.6175	0.5377	+8.4528
4764	Virginis	7½	14 42,84	3,163	+0,0093	−0,007	8.7474	8.5712	0.5000	+7.8380
4765	2 Libræ	6	15 21,75	3,216	+0,0113	+0,001	8.7514	8.5778	0.5073	+8.0330
4766*	Bootis	6	16 0,37	2,950	+0,0024	+0,005	8.7480	8.5770	0.4699	−7.9486
4767	Libræ	6	16 15,84	3,406	+0,0195	+0,001	8.7818	8.6119	0.5322	+8.3932
4768	Lupi ..... τ¹	5	16 32,09	3,809	+0,0421	+0,003	8.8889	8.7200	0.5808	+8.7348
4769	Virginis	7	16 33,20	2,985	+0,0034	+0,019	8.7446	8.5758	0.4750	−7.7986
4770	Lupi ..... τ²	5	14 16 33,81	+3,813	+0,0424	+0,009	−8.8900	−8.7213	+0.5813	+8.7372

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4726	37 30 23,9	+17,00	−0,166	+0,03	−9.8356	+9.8277	+1.2305	−9.7245	1849	31	iii.1768	....	....	G 2088
4727	95 16 55,3	17,00	0,243	+0,41	−9.5835	−8.8923	1.2305	9.7247	1846	28	ii.1619	....	....	M565,J322
4728	47 46 25,4	16,99	0,188	.....	−9.8314	+9.7554	1.2302	9.7252	....	....	.....	....	....	G 2089
4729	70 2 3,7	16,97	0,219	+1,96	−9.7708	+9.4608	1.2297	9.7267	1847	32	ii.1620	....	4840	M 566
4730	150 34 21,6	16,97	0,337	+0,12	+9.4000	−9.8674	1.2296	9.7269	....	....	.....	5875	....	R 368
4731	70 23 16,5	16,96	0,219	+0,06	−9.7693	+9.4531	1.2294	9.7273	1848	....	ii.1621	....	....	B.F 1949
4732	19 51 44,3	16,95	−0,085	+0,06	−9.8132	+9.9002	1.2291	9.7282	....	....	.....	....	....	B.H 1535
4733	11 44 52,8	16,94	+0,029	+0,01	−9.7873	+9.9174	1.2288	9.7288	1859	49	iii.1770			
4734	135 21 48,9	16,92	−0,297	+0,20	+8.8865	−9.7785	1.2285	9.7297	....	33	ii.1622	5881	4848	J323, R370
4735	145 41 33,1	16,92	0,323	+0,26	+9.2984	−9.8432	1.2284	9.7299	....	....	v.2594	5879	4847	R 369
4736	36 45 52,8	16,91	0,165	.....	−9.8390	+9.8297	1.2282	9.7303	....	....	.....	....	....	B.F 1962
4737	74 2 23,4	16,90	0,225	.....	−9.7522	+9.3650	1.2279	9.7311	....	....	.....	....	....	B.F 1953
4738	49 33 28,1	16,90	0,193	.....	−9.8323	+9.7377	1.2279	9.7311	....	....	.....	....	....	B.F 1955
4739	108 1 5,4	16,90	0,260	.....	−9.3911	−9.4160	1.2278	9.7312	....	....	.....	....	4852	
4740	115 8 6,6	16,89	0,268	−0,19	−9.2146	−9.5535	1.2276	9.7318	....	....	.....	5892	4855	
4741	43 13 16,2	16,88	0,181	−0,13	−9.8392	+9.7878	1.2274	9.7322	1852	41	ii.1623			
4742	37 56 21,0	16,87	0,169	−0,07	−9.8407	+9.8219	1.2272	9.7327	1854	42	ii.1625			
4743	102 40 39,8	16,87	0,255	−0,03	−9.4839	−9.2662	1.2270	9.7332	1850	37	ii.1624	....	....	M 567
4744	134 29 30,9	16,86	0,299	+0,18	+8.8445	−9.7702	1.2268	9.7337	....	36	v.2601	5891	4859	
4745	127 11 33,9	16,85	0,287	+0,08	−8.2480	−9.7057	1.2265	9.7345	....	40	iii.1773	5895	4863	
4746	155 57 16,0	16,84	0,372	.....	+9.5039	−9.8847	1.2264	9.7348	....	....	.....	....	....	R 371
4747	53 47 45,3	16,84	0,201	0,00	−9.8268	+9.6954	1.2262	9.7351	....	45	iii.1775	....	....	B.H 256
4748	91 34 9,7	16,83	0,245	+0,09	−9.6221	−8.3614	1.2260	9.7356	1851	43	ii.1626			
4749	147 46 9,9	16,82	0,335	−0,10	+9.3600	−9.8510	1.2259	9.7359	....	....	v.2606	5893	4864	R 372
4750	96 3 10,3	16,82	0,250	+0,09	−9.5730	−8.9466	1.2258	9.7361	....	44	iii.1776	....	....	M 568
4751	76 17 56,5	16,82	0,230	−0,07	−9.7408	+9.2981	1.2258	9.7361	1853	46	ii.1627			
4752	37 59 47,8	16,82	0,170	−0,07	−9.8429	+9.8201	1.2258	9.7362	1856	50	iii.1777	....	....	B.F 1965
4753	73 0 9,2	16,79	0,227	−0,10	−9.7596	+9.3887	1.2250	9.7380	1855	51	ii.1628			
4754	157 30 28,0	16,78	0,386	−0,06	+9.5311	−9.8883	1.2249	9.7383	....	....	.....	5890	4869	R 373
4755	137 37 51,4	16,78	0,310	+0,03	+9.0504	−9.7911	1.2247	9.7386	....	....	v.2611	5901	4873	
4756	37 16 25,5	16,76	0,169	.....	−9.8450	+9.8228	1.2243	9.7398	....	....	.....	....	....	B.F 1967
4757	124 5 50,9	16,76	0,286	−0,01	−8.7101	−9.6706	1.2241	9.7400	....	53	iii.1780	5907	4879	
4758	50 30 53,3	16,74	0,198	.....	−9.8357	+9.7250	1.2238	9.7408	....	....	.....	....	....	G 2100
4759	128 49 21,3	16,73	0,295	0,00	+7.8751	−9.7186	1.2236	9.7414	....	55	iii.1782	5911	4883	R 375
4760	131 33 33,0	16,73	0,300	−1,35	+8.6149	−9.7430	1.2235	9.7415	....	....	v.2615	5912	4884	
4761	166 2 53,3	16,73	0,486	+0,26	+9.6344	−9.9082	1.2234	9.7417	....	....	.....	5885	4874	R 374
4762	91 17 58,2	16,71	0,249	+0,03	−9.6247	−8.2764	1.2230	9.7426	1858	59	ii.1629			
4763	117 3 40,8	16,70	0,279	+0,12	−9.1287	−9.5785	1.2227	9.7432	1857	58	ii.1630	5917	4887	B.F 1961
4764	97 4 32,2	16,69	0,256	+0,12	−9.5592	−9.0107	1.2224	9.7439	....	62	iii.1785	....	....	M 569
4765	101 1 34,3	16,66	0,261	+0,09	−9.5045	−9.2010	1.2216	9.7458	1860	64	ii.1631	....	....	M 570
4766	80 52 6,8	16,63	0,241	+0,06	−9.7137	+9.1191	1.2208	9.7476	....	69	ii.1632	....	....	B.H 234
4767	114 7 18,8	16,61	0,278	+0,02	−9.2232	−9.5296	1.2205	9.7483	....	68	iii.1787	5929		
4768	134 32 24,0	16,60	0,312	+0,18	+8.9258	−9.7639	1.2201	9.7491	....	66	ii.1634	5928	4902	
4769	83 29 51,5	16,60	0,244	+0,27	−9.6944	+8.9719	1.2201	9.7491	....	71	iii.1788	....	....	B.F 1969
4770	134 41 53,5	+16,60	−0,312	+0,11	+8.9360	−9.7650	+1.2201	−9.7491	....	67	ii.1635	5927	4903	R 376

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4771	Bootis	7	14 16 37,39	+2,953	+0,0025	+0,003	−8.7470	−8.5785	+0.4702	−7.9379
4772*	Libræ	7½	16 37,54	3,216	+0,0113	−0,008	8.7497	8.5813	0.5074	+8.0297
4773*	Virginis	5½	16 43,61	2,985	+0,0034	−0,006	8.7444	8.5763	0.4749	−7.7985
4774	Centauri	6½	16 49,54	3,739	+0,0375	−0,019	8.8679	8.7002	0.5727	+8.6903
4775	Bootis	7	16 56,05	2,955	+0,0025	+0,004	8.7464	8.5792	0.4705	−7.9297
4776*	Hydræ	6	17 10,34	3,441	+0,0211	.....	8.7880	8.6217	0.5367	+8.4324
4777	Libræ	7	17 10,41	3,240	+0,0123	−0,012	8.7517	8.5855	0.5106	+8.0928
4778*	Bootis	7½	17 16,28	2,484	−0,0058	.....	8.8437	8.6778	0.3952	−8.6319
4779	Lupi	6	17 34,34	3,838	+0,0436	−0,006	8.8944	8.7298	0.5841	+8.7473
4780	Centauri	7	17 49,52	4,306	+0,0786	+0,009	9.0223	8.8587	0.6341	+8.9531
4781	Hydræ	8	17 59,71	3,443	+0,0211	+0,007	8.7869	8.6240	0.5369	+8.4312
4782	Circini	6	18 49,91	4,868	+0,1318	.....	9.1477	8.9882	0.6873	+9.1118
4783*	Bootis	6½	19 21,79	2,450	−0,0058	.....	8.8481	8.6907	0.3892	−8.6476
4784	52 Hydræ	5½	19 24,43	3,491	+0,0232	+0,003	8.7955	8.6383	0.5429	+8.4785
4785	22 Bootis ..... *f*	6	19 29,05	2,794	−0,0012	+0,001	8.7647	8.6079	0.4462	−8.2967
4786	104 Virginis	6½	19 32,29	3,143	+0,0086	−0,002	8.7399	8.5832	0.4974	+7.7168
4787	Libræ	7½	19 38,25	3,243	+0,0122	−0,004	8.7485	8.5922	0.5109	+8.0899
4788*	Circini	6½	19 43,06	4,861	+0,1301	.....	9.1431	8.9872	0.6867	+9.1066
4789	23 Bootis ..... *θ*	4	20 5,49	2,069	−0,0050	−0,024	8.9532	8.7987	0.3158	−8.8529
4790*	Octantis	6½	20 15,77	20,732	+7,0314	.....	0.0989	9.9452	1.3167	+0.0985
4791	Lupi	6	20 23,41	3,950	+0,0501	+0,011	8.9185	8.7653	0.5966	+8.7952
4792	105 Virginis ..... *φ*	5	20 28,88	3,092	+0,0068	−0,002	8.7368	8.5840	0.4902	+7.1697
4793	Lupi	6	20 29,79	3,830	+0,0422	0,000	8.8845	8.7317	0.5832	+8.7313
4794	Libræ	7	20 31,67	3,197	+0,0105	−0,008	8.7424	8.5897	0.5047	+7.9521
4795	106 Virginis	6	20 47,38	3,155	+0,0089	+0,001	8.7388	8.5872	0.4989	+7.7739
4796*	Circini	6	21 22,32	4,838	+0,1311	+0,020	9.1426	8.9933	0.6891	+9.1064
4797*	Bootis	6	22 3,24	2,488	−0,0052	.....	8.8314	8.6849	0.3959	−8.6096
4798	Virginis	6½	22 11,93	3,050	+0,0056	+0,003	8.7345	8.5886	0.4843	−7.1526
4799	Virginis	6½	22 12,21	3,119	+0,0077	0,000	8.7352	8.5893	0.4940	+7.5299
4800*	Libræ	7	22 23,99	3,428	+0,0198	.....	8.7755	8.6304	0.5350	+8.3957
4801	Lupi ..... *σ*	5	22 32,78	3,992	+0,0521	−0,005	8.9239	8.7794	0.6012	+8.8068
4802	Virginis	7	22 42,21	3,117	+0,0077	+0,009	8.7344	8.5905	0.4937	+7.5067
4803	Bootis	7	23 24,13	2,573	−0,0042	+0,002	8.8065	8.6654	0.4104	−8.5362
4804	24 Bootis ..... *g*	6	23 24,74	2,120	−0,0050	−0,030	8.9293	8.7882	0.3263	−8.8168
4805	Bootis	6	23 41,44	2,352	−0,0056	.....	8.8645	8.7245	0.3715	−8.6940
4806	Centauri	neb.	24 31,34	4,235	+0,0688	+0,331	8.9824	8.8458	0.6268	+8.9005
4807	Centauri	6½	24 38,72	3,767	+0,0371	+0,006	8.8561	8.7199	0.5760	+8.6768
4808	25 Bootis ..... *ε*	4	25 21,93	2,594	−0,0037	−0,004	8.7971	8.6638	0.4140	−8.5093
4809*	Bootis	6	25 41,10	2,660	−0,0029	.....	8.7810	8.6490	0.4249	−8.4431
4810	26 Bootis	6	25 43,45	2,735	−0,0017	−0,008	8.7652	8.6333	0.4369	−8.3557
4811	Centauri ..... *η*	3	26 0,24	3,774	+0,0372	−0,004	8.8546	8.7238	0.5768	+8.6758
4812	27 Bootis ..... *γ*	3½	26 2,41	2,427	−0,0050	+0,002	8.8383	8.7077	0.3851	−8.6369
4813	Centauri	6	26 3,47	3,759	+0,0363	+0,001	8.8503	8.7197	0.5750	+8.6660
4814	Libræ	7	26 24,64	3,357	+0,0164	−0,003	8.7549	8.6258	0.5260	+8.2843
4815	Lupi	6	14 26 31,95	+3,885	+0,0436	+0,006	−8.8834	−8.7547	+0.5894	+8.7372

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4771	81 4 19,0	+16,60	−0,242	+0,06	−9.7125	+9.1087	+1.2200	−9.7493	....	72	iii.1790	....	....	B.F 1970
4772	100 59 4,9	16,60	0,263	+0,01	−9.5038	−9.1978	1.2200	9.7493	1861	70	iii.1789	....	....	M 571
4773	83 29 44,4	16,59	0,245	−0,03	−9.6944	+8.9718	1.2199	9.7496	....	73	ii.1636	....	....	B.H 235
4774	131 38 5,2	16,59	0,307	+0,03	+8.6920	−9.7399	1.2197	9.7499	....	....	v.2624	5930	4904	
4775	81 13 42,3	16,58	0,242	+0,19	−9.7116	+9.1006	1.2196	9.7502	....	75	iii.1791	....	....	B.F 1972
4776	116 10 16,2	16,57	0,283	.....	−9.1492	−9.5616	1.2193	9.7508	....	....	.....	5937		
4777	102 40 15,6	16,57	0,266	+0,01	−9.4768	−9.2582	1.2193	9.7508	....	76	iii.1792	....	....	M 572
4778	52 6 45,5	16,56	0,204	.....	−9.8380	+9.7052	1.2192	9.7511	....	....	.....	....	....	B.F 1976
4779	135 27 3,7	16,55	0,316	−0,19	+8.9921	−9.7694	1.2188	9.7520	....	....	v.2628	5934	4909	
4780	148 31 8,2	16,54	0,355	+0,03	+9.4081	−9.8471	1.2184	9.7527	....	....	v.2630	5931	4912	R 377
4781	116 9 50,8	16,53	0,284	−0,93	−9.1455	−9.5604	1.2182	9.7531	....	78	iv. 947			
4782	157 2 23,3	16,49	0,404	.....	+9.5502	−9.8791	1.2171	9.7554	....	....	.....	....	4918	R 378
4783	50 55 37,0	16,46	0,204	.....	−9.8432	+9.7138	1.2164	9.7569	....	....	.....	....	....	B.F 1980
4784	118 48 50,0	16,46	0,291	+0,04	−9.0204	−9.5972	1.2164	9.7570	1862	82	ii.1637	5949	4925	B.F 1973
4785	70 5 53,0	16,45	0,233	+0,04	−9.7800	+9.4461	1.2163	9.7572	1864	86	iii.1796			
4786	95 26 28,7	16,45	0,262	+0,08	−9.5773	8.8909	1.2162	9.7573	1863	84	ii.1638			
4787	102 40 50,7	16,45	0,271	−0,01	−9.4739	−9.2553	1.2161	9.7576	....	85	iii.1797	....	....	M 573
4788	156 50 53,6	16,44	0,406	.....	+9.5513	−9.8773	1.2160	9.7578	....	....	.....	5942		
4789	37 27 15,8	16,42	0,173	+0,43	−9.8570	+9.8130	1.2155	9.7588	1867	92	ii.1639			
4790	177 30 34,5	16,41	1,737	−1,32	+9.7444	−9.9126	1.2152	9.7593	....	....	.....	5823	4886	J 327
4791	138 50 41,4	16,41	0,331	+0,27	+9.1682	−9.7896	1.2151	9.7596	....	....	v.2639	5950	4928	
4792	91 33 9,4	16,40	0,259	+0,02	−9.6214	−8.3456	1.2149	9.7599	1865	90	ii.1640	....	....	J 330
4793	134 38 53,4	16,40	0,321	+0,28	+8.9805	−9.7595	1.2149	9.7599	....	87	iii.1799	5951	4930	
4794	99 19 40,6	16,40	0,268	+0,06	−9.5249	−9.1224	1.2149	9.7600	....	89	iii.1800	....	....	M 574
4795	96 13 25,3	16,39	0,265	+0,05	−9.5669	−8.9474	1.2145	9.7607	1866	91	ii.1641			
4796	156 56 43,9	16,36	0,412	−0,42	+9.5592	−9.8754	1.2138	9.7623	....	....	.....	5948	4933	R 379
4797	53 7 43,6	16,32	0,211	.....	−9.8424	+9.6888	1.2128	9.7641	....	....	.....	....	....	B.F 1983
4798	88 29 57,6	16,32	0,259	0,00	−9.6523	+8.3285	1.2126	9.7645	....	96	iii.1804	....	....	B.F 1981
4799	93 34 24,8	16,32	0,265	−0,06	−9.5987	−8.7051	1.2126	9.7645	....	95	iii.1803			
4800	114 38 48,5	16,31	0,291	.....	−9.1807	−9.5303	1.2124	9.7650	....	....	.....	5971		
4801	139 47 17,2	16,30	0,339	−0,06	+9.2167	−9.7929	1.2122	9.7654	....	....	v.2650	5964	4945	J331, R381
4802	93 23 37,8	16,29	0,265	−0,04	−9.6007	−8.6821	1.2120	9.7658	....	98	iii.1805			
4803	57 32 19,3	16,26	0,220	−0,02	−9.8329	+9.6385	1.2110	9.7677	....	103	iii.1808	....	....	B.F 1984
4804	39 28 55,7	16,26	0,181	+0,09	−9.8621	+9.7963	1.2110	9.7677	1868	105	iii.1809			
4805	47 31 22,4	16,24	0,201	.....	−9.8551	+9.7379	1.2106	9.7684	....	....	.....	....	....	G 2116
4806	145 53 53,4	16,20	0,364	−0,22	+9.3890	−9.8253	1.2095	9.7706	....	....	v.2656	5974	4957	
4807	131 26 6,4	16,19	0,324	+0,15	+8.8143	−9.7278	1.2093	9.7709	....	104	iii.1810	5984	4960	R 382
4808	58 58 3,4	16,15	0,224	−0,13	−9.8309	+9.6183	1.2083	9.7728	1869	112	ii.1643			
4809	62 39 18,3	16,14	0,230	.....	−9.8184	+9.5678	1.2078	9.7736	....	....	.....	....	....	B.F 1988
4810	67 4 35,8	16,14	0,237	−0,05	−9.8000	+9.4961	1.2078	9.7737	1870	114	ii.1645			
4811	131 29 44,6	16,12	0,327	+0,12	+8.8395	−9.7264	1.2074	9.7744	....	109	ii.1644	5993	4968	J332, R383
4812	51 2 0,9	16,12	0,211	−0,14	−9.8522	+9.7037	1.2073	9.7745	1871	117	ii.1646			
4813	130 51 18,8	16,12	0,326	+0,08	+8.7853	−9.7208	1.2073	9.7745	....	110	iii.1812	5994	4969	
4814	109 46 44,8	16,10	0,292	+0,08	−9.3151	−9.4340	1.2068	9.7754	....	116	ii.1647	....	....	M 575
4815	135 35 12,7	+16,09	−0,338	−0,02	+9.0881	−9.7583	+1.2067	−9.7758	....	113	iii.1814	5995	4971	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4816*	Bootis	6	14 27 12,38	+2,453	−0,0048	.....	−8.8287	−8.7026	+0.3898	−8.6143
4817	Draconis	6	27 13,33	1,439	+0,0093	.....	9.0832	8.9573	0.1581	−9.0363
4818	Centauri	6	27 20,74	3,733	+0,0345	−0,009	8.8401	8.7146	0.5720	+8.6441
4819	Lupi	6	27 31,45	3,887	+0,0434	−0,030	8.8811	8.7563	0.5896	+8.7342
4820*	Bootis	6	27 48,30	2,545	−0,0040	.....	8.8039	8.6803	0.4056	−8.5423
4821	Lupi ..... ρ	5	27 49,93	+3,988	+0,0498	+0,010	8.9076	8.7840	+0.6007	+8.7838
4822	5 Ursæ Minoris	4	27 54,20	−0,244	+0,1202	0,000	9.3539	9.2306	−9.3876	−9.3415
4823	28 Bootis ..... σ	5	28 8,83	+2,598	−0,0034	+0,017	8.7903	8.6680	+0.4147	−8.4945
4824	Libræ	7	28 17,57	3,198	+0,0103	+0,003	8.7312	8.6094	0.5048	+7.9232
4825	Bootis	6	28 30,85	2,456	−0,0046	+0,011	8.8248	8.7040	0.3903	−8.6072
4826	Bootis	7	28 35,91	1,977	−0,0031	−0,001	8.9516	8.8311	0.2960	−8.8571
4827	Bootis	6½	28 37,12	2,191	−0,0048	.....	8.8952	8.7748	0.3407	−8.7625
4828*	Libræ	7	29 1,55	3,238	+0,0117	−0,060	8.7339	8.6150	0.5102	+8.0396
4829	Lupi	6	29 22,34	3,908	+0,0441	−0,025	8.8819	8.7644	0.5920	+8.7383
4830*	Bootis	6	29 24,95	2,103	−0,0042	.....	8.9164	8.7991	0.3229	−8.8008
4831*	Centauri ..... α^1	4	29 26,46	4,488	+0,0860	−0,470	9.0281	8.9108	0.6521	+8.9665
4832	Centauri ..... α^2	1	29 28,00	4,488	+0,0860	−0,470	9.0280	8.9109	0.6521	+8.9664
4833	Apodis ..... α	4½	29 29,31	7,024	+0,4195	−0,015	9.4208	9.3038	0.8466	+9.4118
4834	Draconis	6	30 26,23	1,234	+0,0167	.....	9.1143	9.0010	0.0912	−9.0752
4835	Circini ..... α	4	30 27,77	4,768	+0,1099	−0,029	9.0858	8.9726	0.6783	+9.0406
4836	3 Libræ	7	30 43,12	3,441	+0,0196	+0,007	8.7629	8.6507	0.5367	+8.3785
4837	Libræ	7	30 56,89	3,214	+0,0108	−0,009	8.7285	8.6172	0.5070	+7.9641
4838	Hydræ	6½	30 57,01	3,471	+0,0209	−0,002	8.7686	8.6573	0.5405	+8.4116
4839	Lupi ..... α	3	31 58,96	3,945	+0,0455	−0,004	8.8846	8.7773	0.5961	+8.7469
4840*	Libræ	7	32 14,51	3,428	+0,0189	.....	8.7574	8.6512	0.5350	+8.3565
4841*	Bootis	6	32 34,61	2,265	−0,0046	.....	8.8648	8.7599	0.3551	−8.7088
4842	Centauri	5	32 39,59	3,697	+0,0313	0,000	8.8180	8.7133	0.5678	+8.5989
4843	33 Bootis	6	33 15,27	2,240	−0,0044	−0,005	8.8695	8.7672	0.3503	−8.7194
4844	Centauri	6	33 27,47	4,647	+0,0964	+0,017	9.0500	8.9485	0.6671	+8.9968
4845	Bootis	5½	33 30,03	1,900	−0,0015	+0,017	8.9561	8.8547	0.2786	−8.8677
4846	Bootis	6	33 32,09	2,861	+0,0012	+0,004	8.7316	8.6304	0.4565	−8.1207
4847	29 Bootis ..... π	3½	33 40,55	2,816	+0,0003	0,000	8.7375	8.6368	0.4496	−8.2050
4848	Libræ	7½	33 58,56	3,241	+0,0117	+0,038	8.7264	8.6270	0.5107	+8.0295
4849	30 Bootis ..... ζ	3½	33 59,23	2,857	+0,0011	+0,004	8.7313	8.6318	0.4560	−8.1262
4850	31 Bootis	5	34 16,99	2,942	+0,0030	+0,005	8.7222	8.6239	0.4686	−7.9071
4851*	Centauri	6½	34 24,20	4,260	+0,0654	−0,027	8.9579	8.8600	0.6294	+8.8710
4852	Centauri	5	34 30,02	3,645	+0,0283	−0,008	8.8008	8.7034	0.5617	+8.5542
4853*	32 Bootis	6	34 31,53	2,888	+0,0018	−0,003	8.7268	8.6294	0.4607	−8.0556
4854	4 Libræ	6	34 34,06	3,449	+0,0195	+0,002	8.7571	8.6599	0.5376	+8.3724
4855	107 Virginis ..... μ	4½	35 9,70	3,144	+0,0085	+0,011	8.7174	8.6225	0.4975	+7.6579
4856	Centauri	7	35 40,46	4,344	+0,0708	.....	8.9741	8.8813	0.6379	+8.8957
4857*	Libræ	7	35 40,75	3,436	+0,0189	.....	8.7525	8.6596	0.5360	+8.3532
4858	Centauri	5½	35 48,03	3,649	+0,0284	−0,003	8.7990	8.7066	0.5622	+8.5527
4859	Octantis	6	36 3,28	9,561	+0,9415	.....	9.6051	9.5137	0.9805	+9.6015
4860	Lupi	6	14 36 28,51	+4,134	+0,0558	−0,194	−8.9202	−8.8304	+0.6163	+8.8142

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4816	52 22 32,9	+16,06	−0,214	.....	−9.8509	+9.6892	+1.2057	−9.7775	....	....	.....	....	....	B.F 1992
4817	26 8 59,5	16,06	0,126	.....	−9.8628	+9.8566	1.2057	9.7775	....	....	.....	....	....	G 2123
4818	129 33 7,1	16,05	0,326	−0,05	+8.6739	−9.7073	1.2055	9.7778	....	....	v.2667	6002	4981	
4819	135 28 36,2	16,04	0,340	+0,14	+9.0920	−9.7561	1.2053	9.7783	....	118	iii.1815	6001	4974	
4820	56 48 17,8	16,03	0,223	.....	−9.8402	+9.6410	1.2049	9.7790	....	....	.....	....	....	B.F 1991
4821	138 46 7,9	16,03	−0,350	+0,22	+9.2206	−9.7788	1.2048	9.7790	....	....	ii.1648	6003	4976	J 333
4822	13 38 14,1	16,02	+0,021	+0,03	−9.8368	+9.8901	1.2047	9.7792	1873	136	ii.1652			
4823	59 36 3,7	16,01	−0,228	−0,12	−9.8319	+9.6063	1.2044	9.7798	1872	124	ii.1650			
4824	98 57 11,1	16,00	0,281	+0,04	−9.5249	−9.0940	1.2042	9.7802	....	121	iv. 956			
4825	52 42 43,6	15,99	0,216	+0,05	−9.8519	+9.6840	1.2038	9.7808	....	128	iii.1819	....	....	B.F 1993
4826	36 26 28,0	15,99	0,174	−0,30	−9.8713	+9.8070	1.2037	9.7810	....	131	iii.1820	....	....	A 330
4827	42 33 15,6	15,98	0,193	+0,04	−9.8683	+9.7687	1.2037	9.7810	....	....	.....	....	....	G 2127
4828	101 39 52,4	15,96	0,286	−0,34	−9.4809	−9.2066	1.2031	9.7820	....	127	ii.1651	....	....	M 576
4829	135 55 22,0	15,94	0,346	+0,34	+9.1268	−9.7568	1.2026	9.7829	....	125	iii.1821	6018	4987	
4830	39 58 36,9	15,94	0,186	.....	−9.8714	+9.7847	1.2025	9.7830	....	....	.....	....	....	B.F 1996
4831	150 12 53,8	15,94	0,397	−0,83	+9.4929	−9.8387	1.2025	9.7831	....	....	ii.1653	6014	4990	J 335
4832	150 12 37,4	15,94	0,397	−0,83	+9.4929	−9.8387	1.2025	9.7831	....	....	ii.1654	6017	4991	J 336, R 385
4833	168 24 1,9	15,94	0,622	−0,05	+9.7053	−9.8913	1.2024	9.7832	....	....	ii.1649	5980	4980	J 334, R 384
4834	23 56 56,0	15,89	0,110	.....	−9.8656	+9.8597	1.2011	9.7855	....	....	.....	....	....	G 2132
4835	154 19 0,9	15,89	0,424	+0,26	+9.5587	−9.8536	1.2010	9.7856	....	....	ii.1655	6012	4995	
4836	114 22 31,2	15,87	0,307	+0,02	−9.1553	−9.5141	1.2006	9.7862	....	134	ii.1656	6031		
4837	99 54 15,5	15,86	0,287	+0,06	−9.5081	−9.1336	1.2003	9.7868	....	137	iii.1826	....	....	B.F 1995
4838	116 4 20,3	15,86	0,310	+0,13	−9.0821	−9.5410	1.2003	9.7868	....	135	iii.1825	6033		
4839	136 44 26,2	15,80	0,354	+0,08	+9.1787	−9.7589	1.1988	9.7893	....	....	v.2680	6034	5007	J 337
4840	113 24 38,7	15,79	0,308	.....	−9.1855	−9.4953	1.1984	9.7899	....	....	.....	6049		
4841	45 42 32,9	15,77	0,204	.....	−9.8704	+9.7397	1.1979	9.7907	....	....	.....	....	....	B.F 2001
4842	127 8 45,7	15,77	0,333	+0,06	+8.4346	−9.6765	1.1978	9.7909	....	141	iii.1830	6048	5011	J 338
4843	44 56 48,2	15,74	0,203	+0,10	−9.8724	+9.7446	1.1969	9.7924	1878	149	iii.1832			
4844	152 13 51,7	15,73	0,421	+0,13	+9.5403	−9.8412	1.1966	9.7929	....	....	.....	6039	5015	R 386
4845	35 19 38,2	15,72	0,172	+0,06	−9.8793	+9.8059	1.1965	9.7930	....	156	iii.1833	....	....	G 2138
4846	75 49 8,6	15,72	0,259	+0,17	−9.7580	+9.2834	1.1965	9.7930	....	145	ii.1658			
4847	72 56 7,1	15,71	0,255	−0,02	−9.7762	+9.3616	1.1963	9.7934	1875	147	ii.1659			
4848	101 35 24,5	15,70	0,294	+0,04	−9.4771	−9.1966	1.1958	9.7941	....	146	iv. 962	....	....	M 578
4849	75 37 31,1	15,70	0,259	0,00	−9.7596	+9.2885	1.1958	9.7941	1876	152	ii.1660			
4850	81 11 36,9	15,68	0,268	+0,02	−9.7196	+9.0781	1.1953	9.7948	1877	155	ii.1662			
4851	144 57 45,3	15,67	0,388	+0,28	+9.4178	−9.8061	1.1952	9.7951	....	....	v.2688	6057	5024	
4852	124 31 26,3	15,67	0,332	+0,26	−7.5682	−9.6462	1.1950	9.7953	....	150	ii.1661	6063	5029	P 578, J 339
4853	77 41 21,8	15,67	0,263	+0,07	−9.7459	+9.2216	1.1950	9.7954	1879	157	ii.1664	....	....	W 789
4854	114 21 17,1	15,66	0,314	+0,01	−9.1393	−9.5080	1.1949	9.7955	1874	154	v.2690	6065	5031	
4855	95 0 10,6	15,63	0,287	+0,33	−9.5772	−9.8323	1.1940	9.7969	1880	158	ii.1665	....	....	M 579, J 340
4856	146 35 51,0	15,60	0,398	.....	+9.4556	−9.8126	1.1932	9.7981	....	....	.....	....	....	R 387
4857	113 30 4,3	15,60	0,315	.....	−9.1688	−9.4917	1.1932	9.7981	....	....	.....	6075		
4858	124 33 15,2	15,60	0,335	+0,19	−6.9031	−9.6445	1.1930	9.7984	....	159	iii.1836	6071	5039	
4859	172 36 39,9	15,58	0,878	.....	+9.7547	−9.8868	1.1926	9.7990	....	....	.....	....	5022	
4860	141 34 8,1	+15,56	−0,380	+0,01	+9.3512	−9.7837	+1.1920	−9.8000	....	....	.....	6074	....	R 389

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4861	Lupi	6	14 36 28,56	+3,969	+0,0455	−0,013	−8.8783	−8.7885	+0.5987	+8.7411
4862	Lupi	6	36 34,97	4,141	+0,0562	+0,007	8.9217	8.8323	0.6171	+8.8167
4863*	Bootis	6	36 35,70	2,425	−0,0039	.....	8.8134	8.7241	0.3848	−8.5969
4864	34 Bootis	4½	36 49,91	2,637	−0,0022	+0,005	8.7639	8.6755	0.4211	−8.4234
4865	54 Hydræ	5½	37 19,83	3,462	+0,0197	−0,013	8.7544	8.6679	0.5394	+8.3771
4866*	Octantis	6½	37 20,53	9,740	+0,9776	.....	9.6118	9.5254	0.9886	+9.6083
4867	Libræ	7	37 40,99	3,389	+0,0168	−0,009	8.7403	8.6552	0.5300	+8.2854
4868	5 Libræ	6	37 42,03	3,295	+0,0134	+0,002	8.7265	8.6414	0.5179	+8.1345
4869*	108 Virginis	6½	37 51,50	3,051	+0,0058	−0,013	8.7117	8.6272	0.4844	−7.0854
4870*	Bootis	6	37 55,26	2,329	−0,0040	.....	8.8343	8.7501	0.3672	−8.6521
4871*	Octantis	6½	38 4,23	9,318	+0,8636	.....	9.5811	9.4975	0.9693	+9.5771
4872	Centauri	6	38 11,16	4,334	+0,0686	−0,006	8.9638	8.8806	0.6369	+8.8825
4873	35 Bootis ..... θ	4½	38 14,67	2,800	+0,0003	0,000	8.7318	8.6488	0.4472	−8.2124
4874	Draconis	6	38 18,29	1,475	+0,0081	.....	9.0379	8.9551	0.1688	−8.9834
4875	Apodis	6	38 21,99	5,785	+0,2093	−0,020	9.2343	9.1518	0.7623	+9.2139
4876	36 Bootis ..... ε	3	38 26,20	2,623	−0,0022	−0,001	8.7635	8.6813	0.4188	−8.4310
4877	55 Hydræ	5½	38 40,03	3,468	+0,0199	+0,002	8.7530	8.6717	0.5401	+8.3788
4878	109 Virginis	4	38 40,24	3,033	+0,0054	−0,004	8.7107	8.6294	0.4819	−7.3553
4879	Libræ	7	38 42,39	3,393	+0,0169	−0,009	8.7392	8.6580	0.5306	+8.2874
4880*	56 Hydræ	5	39 0,00	3,478	+0,0202	0,000	8.7541	8.6741	0.5413	+8.3874
4881	Bootis	7	39 0,25	2,191	−0,0037	+0,046	8.8666	8.7866	0.3406	−8.7222
4882*	57 Hydræ	5	39 11,51	3,488	+0,0206	−0,005	8.7558	8.6765	0.5426	+8.3979
4883	Octantis	6	39 15,96	9,510	+0,9022	.....	9.5894	9.5104	0.9782	+9.5856
4884*	Hydræ	7	39 48,27	3,468	+0,0198	.....	8.7507	8.6738	0.5401	+8.3744
4885*	Bootis	7	39 50,04	2,270	−0,0038	+0,003	8.8444	8.7676	0.3559	−8.6783
4886	Virginis	7½	39 50,65	3,031	+0,0053	+0,009	8.7089	8.6321	0.4815	−7.3770
4887	Lupi	6	40 14,74	4,202	+0,0586	−0,009	8.9257	8.8505	0.6235	+8.8266
4888*	Libræ	6½	40 39,66	3,448	+0,0188	.....	8.7452	8.6715	0.5376	+8.3481
4889	Apodis	6	40 58,86	6,547	+0,3059	−0,039	9.3244	9.2520	0.8161	+9.3114
4890	7 Libræ ..... μ	5	41 6,38	3,278	+0,0126	+0,001	8.7186	8.6467	0.5157	+8.0874
4891	58 Hydræ	5	41 29,64	3,518	+0,0216	−0,015	8.7572	8.6867	0.5463	+8.4191
4892	Lupi ..... θ	5	41 52,47	3,878	+0,0387	+0,007	8.8407	8.7717	0.5887	+8.6741
4893	Circini ..... ζ	6	42 6,56	4,966	+0,1171	+0,071	9.0849	9.0168	0.6960	+9.0435
4894	8 Libræ	6	42 23,92	3,310	+0,0136	−0,003	8.7201	8.6532	0.5198	+8.1435
4895	9 Libræ ..... α	3	42 35,37	3,311	+0,0136	−0,002	8.7199	8.6537	0.5199	+8.1445
4896*	Libræ	6	43 11,93	3,340	+0,0146	−0,005	8.7228	8.6589	0.5238	+8.1927
4897*	Bootis	6½	43 14,04	2,377	−0,0034	.....	8.8090	8.7452	0.3761	−8.6025
4898	11 Libræ	6	43 14,46	3,096	+0,0071	+0,004	8.7031	8.6394	0.4908	+7.1679
4899	Circini	6	43 16,90	4,664	+0,0904	−0,020	9.0208	8.9572	0.6688	+8.9637
4900	10 Libræ	7	43 26,89	3,350	+0,0150	−0,001	8.7237	8.6608	0.5251	+8.2075
4901	Lupi	6	43 27,70	3,734	+0,0309	−0,003	8.8013	8.7384	0.5722	+8.5826
4902*	Bootis	6	43 31,09	2,581	−0,0022	+0,013	8.7617	8.6990	0.4118	−8.4505
4903	38 Bootis ..... h	6	43 57,96	2,139	−0,0030	+0,003	8.8659	8.8049	0.3301	−8.7282
4904	Circini	6	44 4,00	4,560	+0,0818	−0,005	8.9960	8.9354	0.6589	+8.9313
4905	37 Bootis ..... ξ	3½	14 44 28,28	+2,755	+0,0001	+0,012	−8.7272	−8.6681	+0.4402	−8.2555

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4861	136 48 14,7	+15,56	−0,365	+0,03	+9.2122	−9.7525	+1.1920	−9.8000	....	....	v.2693	6073	5045	
4862	141 44 36,0	15,55	0,381	−0,02	+9.3560	−9.7846	1.1918	9.8002	....	....	v.2694	6070	5044	R 388
4863	52 36 4,8	15,55	0,223	.....	−9.8623	+9.6730	1.1918	9.8003	....	....	.....	....	....	B.F 2013
4864	62 49 53,6	15,54	0,243	−0,01	−9.8291	+9.5488	1.1914	9.8008	1883	165	ii.1666			
4865	114 48 7,5	15,51	0,320	+0,08	−9.1072	−9.5112	1.1907	9.8020	1881	163	iii.1838	6087	....	B.F 2005
4866	172 45 31,4	15,51	0,900	.....	+9.7590	−9.8850	1.1907	9.8020	....	....	.....	6009		
4867	110 32 13,7	15,49	0,314	+0,20	−9.2639	−9.4330	1.1901	9.8028	....	166	ii.1668	....	....	M 580
4868	104 49 28,7	15,49	0,305	+0,03	−9.4099	−9.2959	1.1901	9.8028	1882	167	ii.1669	....	5055	
4869	88 38 42,2	15,48	0,283	−0,05	−9.6521	+8.2614	1.1899	9.8032	1884	168	iii.1839			
4870	48 54 15,7	15,48	0,216	.....	−9.8721	+9.7053	1.1898	9.8033	....	....	.....	....	....	B.F 2017
4871	172 14 41,6	15,47	0,865	.....	+9.7573	−9.8833	1.1895	9.8037	....	....	.....	6019		
4872	146 1 49,8	15,47	0,403	−0,08	+9.4556	−9.8059	1.1893	9.8039	....	....	v.2698	6082	5057	R 392
4873	72 23 49,6	15,46	0,260	+0,02	−9.7826	+9.3676	1.1892	9.8041	1888	172	ii.1670			
4874	28 5 48,7	15,46	0,137	.....	−9.8845	+9.8325	1.1892	9.8042	....	....	.....	....	....	G 2146
4875	162 34 13,9	15,45	0,538	+0,61	+9.6795	−9.8664	1.1891	9.8044	....	....	.....	6066	5050	
4876	62 17 26,6	15,45	0,244	0,00	−9.8330	+9.5542	1.1889	9.8045	1890	175	ii.1672			
4877	114 59 31,7	15,44	0,323	+0,08	−9.0920	−9.5122	1.1886	9.8050	1885	169	ii.1671	6097	....	B.F 2008
4878	87 28 17,4	15,44	0,282	+0,02	−9.6644	+8.5310	1.1886	9.8051	1889	174	ii.1674			
4879	110 41 34,2	15,44	0,316	+0,12	−9.2562	−9.4345	1.1885	9.8051	....	171	ii.1673	....	....	M 581
4880	115 27 23,3	15,42	0,324	+0,09	−9.0682	−9.5191	1.1881	9.8058	1886	173	ii.1675	6102	5060	B.F 2010
4881	44 10 40,2	15,42	0,204	+0,05	−9.8814	+9.7415	1.1881	9.8058	....	179	iii.1842	....	....	B.F 2021
4882	116 0 53,9	15,41	0,326	+0,07	−9.0382	−9.5276	1.1878	9.8062	1887	176	ii.1676	6104	5061	B.F 2012
4883	172 25 35,2	15,40	0,888	.....	+9.7616	−9.8816	1.1876	9.8064	....	....	.....	....	5046	R 391
4884	114 51 48,4	15,37	0,325	.....	−9.0924	−9.5083	1.1868	9.8076	....	....	.....	6107		
4885	46 59 12,7	15,37	0,213	0,00	−9.8782	+9.7184	1.1867	9.8077	....	182	iii.1844	....	....	B.F 2024
4886	87 19 50,6	15,37	0,284	+0,03	−9.6660	+8.5526	1.1867	9.8077	....	180	iii.1843	....	....	B.F 2018
4887	142 44 31,7	15,35	0,394	+0,10	+9.3972	−9.7847	1.1861	9.8086	....	....	.....	6103	5068	
4888	113 37 54,0	15,33	0,324	.....	−9.1430	−9.4862	1.1854	9.8096	....	....	.....	6111		
4889	166 2 51,6	15,31	0,617	+0,40	+9.7180	−9.8697	1.1849	9.8103	....	....	.....	6077	5067	R 393
4890	103 31 12,5	15,30	0,309	+0,01	−9.4327	−9.2513	1.1847	9.8106	1891	183	ii.1677	....	5077	M 582
4891	117 19 54,6	15,28	0,332	+0,04	−8.9450	−9.5438	1.1841	9.8114	1892	184	ii.1678	6116	5080	B.F 2019
4892	132 57 3,2	15,26	0,367	+0,15	+9.0955	−9.7146	1.1835	9.8123	....	185	ii.1679	6114	5081	J 342
4893	155 22 17,0	15,24	0,471	+0,14	+9.6127	−9.8395	1.1831	9.8128	....	....	.....	6106	5079	R 394
4894	105 22 11,8	15,23	0,314	+0,07	−9.3908	−9.3037	1.1826	9.8134	1893	186	ii.1680	....	5084	M 583
4895	105 24 54,4	15,22	0,315	+0,07	−9.3897	−9.3047	1.1823	9.8139	1894	187	ii.1681	....	....	M584, J343
4896	107 9 46,2	15,18	0,318	+0,17	−9.3460	−9.3490	1.1813	9.8152	1895	188	ii.1682	....	....	W 794
4897	51 34 11,3	15,18	0,227	.....	−9.8728	+9.6725	1.1813	9.8153	....	....	.....	....	....	B.F 2028
4898	91 40 14,6	15,18	0,295	+0,14	−9.6177	−8.3438	1.1813	9.8153	1897	191	ii.1683			
4899	151 15 16,2	15,18	0,445	−0,03	+9.5616	−9.8218	1.1812	9.8154	....	....	.....	6115	5086	R 395
4900	107 43 59,4	15,17	0,320	−0,04	−9.3304	−9.3624	1.1809	9.8157	1896	190	ii.1684			
4901	127 10 54,8	15,17	0,356	+0,01	+8.6955	−9.6600	1.1809	9.8158	....	....	v.2710	6124	5090	
4902	60 45 37,3	15,16	0,246	+0,02	−9.8441	+9.5674	1.1808	9.8159	....	193	ii.1685	....	....	B.H 239
4903	43 15 22,6	15,14	0,205	+0,09	−9.8894	+9.7402	1.1801	9.8169	1900	198	iii.1848			
4904	149 29 32,5	15,13	0,436	−0,02	+9.5379	−9.8130	1.1799	9.8171	....	....	v.2712	6119	5092	
4905	70 16 28,4	+15,11	−0,264	+0,14	−9.7997	+9.4053	+1.1792	−9.8180	1898	197	ii.1686			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4906*	Bootis	6	14 44 34,99	+2,386	−0,0033	.....	−8.8035	−8.7449	+0.3777	−8.5918
4907	39 Bootis	5½	44 35,61	2,046	−0,0022	−0,003	8.8867	8.8282	0.3110	−8.7667
4908*	Circini .....θ	6	44 42,13	4,738	+0,0952	+0,003	9.0313	8.9731	0.6756	+8.9779
4909*	6 Ursæ Minoris	7	45 4,54	0,258	+0,0660	−0,031	9.2240	9.1673	9.4115	−9.2036
4910*	Libræ	7	45 14,67	3,452	+0,0185	.....	8.7368	8.6807	0.5381	+8.3351
4911	Hydræ	6	45 29,18	3,535	+0,0218	+0,030	8.7522	8.6971	0.5484	+8.4200
4912	Centauri	6	45 29,26	3,638	+0,0261	+0,005	8.7742	8.7190	0.5609	+8.5068
4913	12 Libræ	6	45 38,02	3,465	+0,0190	+0,002	8.7383	8.6837	0.5397	+8.3481
4914	Lupi	6	45 38,67	4,211	+0,0568	−0,030	8.9115	8.8570	0.6244	+8.8092
4915	13 Libræ .....ξ¹	6	46 14,60	3,248	+0,0114	−0,003	8.7064	8.6542	0.5116	+7.9980
4916*	Centauri	5½	46 32,75	3,653	+0,0266	−0,004	8.7751	8.7240	0.5626	+8.5140
4917*	Bootis	7	46 45,66	2,114	−0,0026	.....	8.8641	8.8138	0.3251	−8.7289
4918	Draconis	5½	47 37,45	1,530	+0,0066	−0,022	8.9954	8.9484	0.1846	−8.9325
4919	Trianguli Aust. ..	6	47 55,90	5,217	+0,1342	−0,041	9.1100	9.0642	0.7174	+9.0753
4920*	Hydræ	7	48 11,20	3,501	+0,0201	.....	8.7398	8.6949	0.5442	+8.3765
4921	Circini	6	48 33,37	4,907	+0,1060	−0,020	9.0517	9.0083	0.6908	+9.0052
4922	15 Libræ .....ξ²	5	48 38,22	3,242	+0,0112	+0,003	8.7017	8.6585	0.5108	+7.9744
4923	Libræ	6	48 42,76	3,410	+0,0167	+0,068	8.7228	8.6800	0.5328	+8.2719
4924	Lupi .....β	3	48 43,91	3,894	+0,0376	−0,003	8.8263	8.7835	0.5904	+8.6562
4925	14 Libræ	7	48 46,02	3,486	+0,0195	+0,001	8.7358	8.6932	0.5424	+8.3591
4926	Bootis	6	49 8,53	2,829	+0,0014	+0,002	8.7082	8.6670	0.4516	−8.1227
4927	16 Libræ	5½	49 21,53	3,129	+0,0080	0,000	8.6936	8.6532	0.4955	+7.5070
4928	Centauri .....κ	3	49 25,53	3,868	+0,0361	−0,003	8.8181	8.7779	0.5874	+8.6393
4929	Lupi	6	49 38,59	3,898	+0,0376	+0,007	8.8249	8.7856	0.5909	+8.6550
4930	59 Hydræ	6	49 47,50	3,531	+0,0211	+0,001	8.7422	8.7035	0.5480	+8.4000
4931	1 Serpentis	6	49 51,99	3,064	+0,0063	+0,008	8.6918	8.6533	0.4863	−6.5768
4932	17 Libræ	7	50 6,01	3,239	+0,0110	−0,001	8.6988	8.6612	0.5104	+7.9614
4933	Bootis	6	50 11,98	2,794	+0,0010	+0,003	8.7106	8.6734	0.4463	−8.1764
4934*	Bootis	6½	50 20,35	2,263	−0,0029	.....	8.8181	8.7815	0.3547	−8.6415
4935	18 Libræ	6½	50 47,37	+3,239	+0,0110	0,000	8.6976	8.6626	+0.5105	+7.9597
4936	7 Ursæ Minoris ..β	3	51 12,13	−0,266	+0,1009	−0,007	9.2699	9.2366	−9.4242	−9.2544
4937	Bootis	6	51 24,91	+1,978	−0,0011	+0,034	8.8832	8.8507	+0.2961	−8.7690
4938	Circini .....η	6	52 18,65	4,897	+0,1020	−0,013	9.0370	9.0078	0.6899	+8.9885
4939	19 Libræ .....δ	4½	52 57,97	3,198	+0,0098	−0,001	8.6905	8.6638	0.5049	+7.8297
4940	60 Hydræ	6	53 10,78	3,547	+0,0213	+0,009	8.7379	8.7120	0.5499	+8.4017
4941	Libræ	6	53 32,83	3,105	+0,0073	+0,011	8.6856	8.6611	0.4921	+7.2614
4942*	Bootis	6	53 41,15	2,293	−0,0026	.....	8.8023	8.7784	0.3604	−8.6126
4943*	40 Bootis	6	53 51,76	2,303	−0,0026	−0,003	8.7996	8.7763	0.3622	−8.6064
4944	2 Serpentis	6	54 8,35	3,063	+0,0063	+0,006	8.6842	8.6620	0.4862	−6.5854
4945	Libræ	7	54 9,84	3,183	+0,0093	+0,001	8.6874	8.6653	0.5029	+7.7721
4946	Libræ	7	54 30,93	3,188	+0,0095	−0,005	8.6870	8.6662	0.5035	+7.7878
4947	Libræ	7	54 41,41	3,354	+0,0143	+0,011	8.7027	8.6826	0.5255	+8.1696
4948	Lupi .....π	5	54 55,81	4,043	+0,0436	−0,004	8.8447	8.8254	0.6067	+8.7049
4949*	Draconis	5	55 12,83	0,939	+0,0257	−0,004	9.0821	9.0640	9.9727	−9.0446
4950*	20 Libræ	3½	14 55 18,31	+3,496	+0,0192	0,000	−8.7237	−8.7059	+0.5436	+8.3446

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4906	52 6 40,6	+15,10	−0,229	.....	−9.8731	+9.6651	+1.1790	−9.8182	....	....	.....	....	....	B.H 237
4907	40 39 41,1	15,10	0,196	−0,02	−9.8932	+9.7568	1.1790	9.8182	1902	200	iii.1849			
4908	152 9 52,9	15,10	0,455	−0,08	+9.5793	−9.8232	1.1788	9.8185	....	....	.....	6122	5096	R 396
4909	17 24 29,5	15,07	0,025	+0,03	−9.8804	+9.8556	1.1782	9.8193	1906	210	iii.1853	....	....	G 2161
4910	113 21 52,3	15,06	0,332	.....	−9.1355	−9.4741	1.1779	9.8196	....	....	.....	6139		
4911	117 44 3,6	15,05	0,341	+0,73	−8.8837	−9.5431	1.1775	9.8202	....	....	v.2717	6140	5105	
4912	122 42 9,9	15,05	0,351	+0,57	−7.9085	−9.6079	1.1775	9.8202	....	....	.....	6137	5104	
4913	114 1 27,8	15,04	0,334	+0,03	−9.1042	−9.4848	1.1773	9.8205	1899	199	ii.1687	6143		
4914	142 11 49,5	15,04	0,406	+0,17	+9.4093	−9.7728	1.1773	9.8205	....	....	v.2718	6132	5103	R 397
4915	101 17 0,5	15,01	0,314	+0,05	−9.4710	−9.1656	1.1763	9.8218	1901	206	ii.1688	....	....	M 585
4916	123 14 33,2	14,99	0,354	+0,04	+7.1139	−9.6125	1.1758	9.8224	....	204	iii.1855	6146	5115	
4917	42 54 13,1	14,98	0,205	.....	−9.8935	+9.7380	1.1754	9.8229	....	....	.....	....	....	B.F 2036?
4918	30 5 46,1	14,93	0,149	−0,07	−9.9006	+9.8088	1.1739	9.8247	....	217	iii.1858	....	....	G 2164
4919	157 22 38,5	14,91	0,509	+0,01	+9.6537	−9.8364	1.1734	9.8254	....	....	.....	6136	....	R 398
4920	115 40 11,6	14,89	0,342	.....	−9.0043	−9.5074	1.1730	9.8259	....	....	.....	6161		
4921	153 58 5,4	14,87	0,480	−0,06	+9.6153	−9.8237	1.1723	9.8267	....	....	.....	6147	....	R 399
4922	100 48 3,9	14,87	0,317	+0,03	−9.4778	−9.1428	1.1722	9.8269	1903	214	ii.1691	....	....	M586, J345
4923	110 44 3,1	14,86	0,334	+1,68	−9.2258	−9.4189	1.1721	9.8270	....	212	ii.1690	....	....	W 800
4924	132 31 32,0	14,86	0,381	+0,12	+9.1274	−9.6997	1.1720	9.8271	....	211	ii.1689	6160	5129	J344, R400
4925	114 50 5,7	14,86	0,342	+0,14	−9.0481	−9.4930	1.1720	9.8271	....	213	ii.1692	6168	....	W 801
4926	74 56 45,2	14,84	0,278	+0,14	−9.7737	+9.2836	1.1713	9.8279	....	221	iii.1860			
4927	93 43 50,9	14,82	0,307	+0,10	−9.5902	−8.6821	1.1710	9.8284	1905	220	ii.1694			
4928	131 29 52,6	14,82	0,380	−0,01	+9.0842	−9.6899	1.1709	9.8285	....	216	ii.1693	6170	5133	J346, R401
4929	132 33 10,0	14,81	0,383	−0,07	+9.1348	−9.6984	1.1705	9.8289	....	218	iii.1861	6173	5135	
4930	117 3 1,6	14,80	0,348	+0,01	−8.9009	−9.5258	1.1702	9.8293	1904	222	ii.1695	6179	5137	B.F 2038
4931	89 33 37,5	14,79	0,302	+0,04	−9.6427	+7.7529	1.1701	9.8294	1908	224	ii.1696			
4932	100 32 58,9	14,78	0,319	+0,05	−9.4812	−9.1301	1.1697	9.8299	1907	225	ii.1697	....	....	M 587
4933	73 0 12,3	14,77	0,276	−0,05	−9.7873	+9.3331	1.1695	9.8301	....	226	ii.1698			
4934	48 15 24,5	14,77	0,223	.....	−9.8889	+9.6904	1.1693	9.8304	....	....	.....	....	....	B.F 2044
4935	100 32 15,1	14,74	−0,320	+0,12	−9.4809	−9.1284	1.1685	9.8313	1909	228	ii.1699	....	....	M 588
4936	15 13 53,3	14,72	+0,026	+0,06	−9.8863	+9.8500	1.1678	9.8322	1917	240	ii.1700			
4937	39 45 24,5	14,70	−0,196	+0,27	−9.9033	+9.7510	1.1674	9.8326	....	235	iii.1865	....	....	B.F 2049
4938	153 26 9,7	14,65	0,488	−0,11	+9.6199	−9.8151	1.1658	9.8344	....	....	.....	6181	5149	R 402
4939	97 55 11,4	14,61	0,320	+0,01	−9.5256	−9.0016	1.1646	9.8357	1911	238	ii.1701	....	....	M589, J347
4940	117 27 42,7	14,60	0,355	+0,02	−8.8382	−9.5259	1.1643	9.8362	1910	237	iii.1869	6195	5157	B.F 2043
4941	92 9 28,1	14,57	0,311	+0,13	−9.6105	−8.4372	1.1636	9.8369	....	239	iii.1870			
4942	49 45 23,6	14,57	0,230	.....	−9.8895	+9.6714	1.1634	9.8372	....	....	.....	....	....	B.F 2051
4943	50 8 16,5	14,56	0,231	−0,03	−9.8887	+9.6676	1.1630	9.8375	1914	248	iii.1871	....	....	G 2173
4944	89 32 36,6	14,54	0,308	+0,02	−9.6430	+7.7615	1.1625	9.8381	1912	243	iii.1872			
4945	96 58 51,6	14,54	0,320	+0,20	−9.5403	−8.9450	1.1625	9.8381	....	241	ii.1702	....	....	W 807
4946	97 14 45,3	14,52	0,321	+0,08	−9.5359	−8.9604	1.1619	9.8388	....	245	ii.1703	....	....	W 808
4947	107 2 15,3	14,51	0,338	+0,09	−9.3276	−9.3262	1.1615	9.8392	....	246	iv. 975			
4948	136 27 36,4	14,49	0,408	+0,14	+9.3058	−9.7192	1.1611	9.8397	....	242	ii.1704	6201	5166	J 348
4949	23 28 9,4	14,47	0,095	−0,05	−9.9073	+9.8209	1.1606	9.8402	....	260	iii.1877	....	....	B.H 692
4950	114 41 18,4	+14,47	−0,353	+0,03	−9.0216	−9.4791	+1.1604	−9.8404	1913	251	ii.1705	6212	5169	M590, J349

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4951	110 Virginis	5	14 55 19,57	+3,027	+0,0055	−0,000	−8.6826	−8.6648	+0.4810	−7.3530
4952*	Bootis	6	55 31,68	2,046	−0,0015	.....	8.8551	8.8382	0.3109	−8.7253
4953	41 Bootis .....ω	5½	55 32,20	2,626	−0,0008	+0,001	8.7266	8.7097	0.4194	−8.3622
4954	Lupi	5½	55 35,74	3,862	+0,0343	+0,013	8.8004	8.7837	0.5868	+8.6128
4955	Lupi	6	55 40,61	4,111	+0,0470	0,000	8.8584	8.8420	0.6140	+8.7315
4956	Circini	6	55 48,37	4,978	+0,1055	.....	9.0402	9.0243	0.6970	+8.9941
4957	Trianguli Aust. ..	6	56 15,03	5,209	+0,1246	+0,048	9.0797	9.0655	0.7168	+9.0421
4958	42 Bootis .....β	3	56 17,91	2,263	−0,0023	+0,001	8.8024	8.7884	0.3546	−8.6192
4959*	Libræ	7	56 58,99	3,510	+0,0194	.....	8.7225	8.7111	0.5453	+8.3517
4960	Lupi	6	57 1,21	4,125	+0,0473	+0,008	8.8577	8.8464	0.6155	+8.7322
4961*	Bootis	6½	57 7,08	2,398	−0,0021	+0,008	8.7697	8.7588	0.3798	−8.5368
4962*	Bootis	6½	57 21,93	2,581	−0,0011	−0,003	8.7311	8.7211	0.4117	−8.3980
4963	Libræ	7	57 26,55	3,478	+0,0182	+0,001	8.7159	8.7062	0.5413	+8.3173
4964	Libræ	7	57 30,15	3,462	+0,0177	+0,005	8.7132	8.7037	0.5394	+8.3003
4965*	Bootis	5½	57 49,44	+2,127	−0,0018	.....	8.8298	8.8215	+0.3277	−8.6810
4966	8 Ursæ Minoris	7	57 56,53	−0,551	+0,1184	−0,001	9.2786	9.2708	−9.7415	−9.2645
4967	Draconis	6	57 57,61	+1,394	+0,0100	.....	8.9889	8.9811	+0.1444	−8.9298
4968	Circini	7	57 58,58	4,914	+0,0988	.....	9.0210	9.0134	0.6915	+8.9712
4969	43 Bootis .....ψ	5	58 1,19	2,582	−0,0010	−0,010	8.7293	8.7218	0.4120	−8.3942
4970	21 Libræ .....ν¹	5	58 16,19	3,334	+0,0135	+0,001	8.6931	8.6865	0.5229	+8.1247
4971	22 Libræ .....ν²	6½	58 27,15	3,338	+0,0136	−0,003	8.6933	8.6874	0.5235	+8.1309
4972*	Libræ	7	58 31,42	3,481	+0,0182	.....	8.7142	8.7086	0.5417	+8.3169
4973	Lupi .....λ	5	58 45,79	4,001	+0,0403	−0,005	8.8240	8.8193	0.6022	+8.6712
4974	44 Bootis ..... *i*	5	58 50,68	2,017	−0,0009	−0,039	8.8521	8.8477	0.3047	−8.7248
4975	Circini	6	14 59 36,84	5,003	+0,1042	.....	9.0317	9.0303	0.6992	+8.9853
4976*	Trianguli Aust.....	6	15 0 4,81	5,601	+0,1560	+0,020	9.1290	9.1293	0.7483	+9.1006
4977*	Lupi	5½	0 6,75	4,410	+0,0624	−0,029	8.9121	8.9125	0.6444	+8.8243
4978	9 Ursæ Minoris	6	0 17,78	0,095	+0,0686	−0,063	9.1911	9.1923	8.9786	−9.1702
4979*	Libræ	7	0 19,59	3,533	+0,0198	.....	8.7192	8.7204	0.5481	+8.3614
4980*	47 Bootis ..... *k*	6	0 27,49	1,991	−0,0007	−0,010	8.8533	8.8550	0.2991	−8.7293
4981	45 Bootis ..... *c*	5	0 42,75	+2,619	−0,0005	+0,013	8.7164	8.7191	+0.4182	−8.3497
4982	Ursæ Minoris	5	0 44,05	−4,797	+0,7265	.....	9.5940	9.5968	−0.6810	−9.5909
4983*	Libræ	7	1 6,89	+3,477	+0,0179	.....	8.7077	8.7120	+0.5412	+8.3023
4984	Libræ	6	1 7,21	3,482	+0,0180	+0,006	8.7086	8.7128	0.5418	+8.3077
4985*	Libræ	6½	1 28,30	3,530	+0,0196	.....	8.7160	8.7216	0.5477	+8.3541
4986	Lupi .....ϰ	5	1 31,97	4,134	+0,0461	−0,019	8.8463	8.8521	0.6163	+8.7185
4987	Lupi .....ζ	4	1 32,30	4,268	+0,0535	−0,018	8.8765	8.8824	0.6302	+8.7702
4988	Lupi	6	1 33,81	4,134	+0,0461	.....	8.8463	8.8523	0.6164	+8.7185
4989	Draconis	6	1 41,34	0,880	+0,0271	.....	9.0695	9.0759	9.9445	−9.0319
4990	Circini	7	1 52,98	4,774	+0,0855	−0,023	8.9811	8.9883	0.6789	+8.9220
4991	46 Bootis ..... *b*	6	1 55,29	2,587	−0,0007	+0,003	8.7194	8.7267	0.4129	−8.3746
4992*	Draconis	5½	2 1	1,702	+0,0032	.....	8.9124	8.9200	0.2309	−8.8265
4993	Bootis	6	2 3,47	2,612	−0,0006	+0,005	8.7147	8.7225	0.4169	−8.3516
4994	Lupi	5½	2 46,61	3,992	+0,0386	−0,001	8.8106	8.8211	0.6012	+8.6518
4995	24 Libræ .....ι¹	5½	15 3 40,86	+3,405	+0,0153	+0,002	−8.6912	−8.7052	+0.5322	+8.2087

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
4951	87 18 57,7	+14,47	−0,306	−0,01	−9.6683	+8.5286	+1.1604	−9.8405	1915	253	ii.1706			
4952	42 7 41,1	14,46	0,207	.....	−9.9059	+9.7280	1.1600	9.8408	....	....	.....	....	....	B.F 2056
4953	64 23 47,5	14,45	0,266	+0,06	−9.8394	+9.4934	1.1600	9.8409	1916	255	ii.1707			
4954	130 28 43,9	14,45	0,391	+0,16	+9.0792	−9.6700	1.1599	9.8410	....	250	iii.1876	6209	5171	
4955	138 17 39,4	14,45	0,416	+0,01	+9.3602	−9.7306	1.1597	9.8411	....	....	v.2740	6205	5170	
4956	154 3 12,8	14,44	0,504	.....	+9.6377	−9.8112	1.1595	9.8414	....	....	.....	....	....	R 404
4957	156 30 3,5	14,41	0,528	+0,25	+9.6673	−9.8189	1.1587	9.8423	....	....	.....	6197	....	R 405
4958	49 0 54,0	14,41	0,230	+0,05	−9.8942	+9.6732	1.1586	9.8424	1918	259	ii.1708			
4959	115 12 0,7	14,37	0,357	.....	−8.9805	−9.4843	1.1574	9.8437	....	....	.....	6224		
4960	138 30 16,0	14,36	0,420	+0,06	+9.3714	−9.7296	1.1573	9.8438	....	....	v.2747	6217	5179	
4961	54 12 13,6	14,36	0,244	0,00	−9.8810	+9.6220	1.1571	9.8440	....	263	iii.1880	....	....	B.H 238
4962	62 19 34,6	14,34	0,263	−0,17	−9.8506	+9.5213	1.1566	9.8444	1921	265	iii.1882			
4963	113 32 27,1	14,34	0,355	+0,07	−9.0741	−9.4557	1.1565	9.8446	....	261	iii.1881	6228		
4964	112 44 7,1	14,33	0,353	+0,04	−9.1136	−9.4413	1.1564	9.8447	....	262	ii.1709	....	....	W 809
4965	44 46 5,5	14,32	−0,217	.....	−9.9046	+9.7048	1.1558	9.8453	....	....	.....	....	....	B.F 2060
4966	14 30 8,1	14,31	+0,056	+0,02	−9.8960	+9.8393	1.1556	9.8456	....	283	iii.1885			
4967	29 12 18,9	14,31	−0,143	.....	−9.9156	+9.7943	1.1555	9.8456	....	....	.....	....	....	G 2182
4968	153 3 34,5	14,31	0,502	.....	+9.6317	−9.8034	1.1555	9.8456	....	....	.....	....	....	R 406
4969	62 27 52,0	14,30	0,264	0,00	−9.8506	+9.5181	1.1554	9.8457	1922	270	ii.1710			
4970	105 40 16,8	14,29	0,341	+0,03	−9.3583	−9.2843	1.1550	9.8462	1919	267	ii.1711	....	....	M 591
4971	105 53 59,0	14,28	0,342	+0,01	−9.3522	−9.2901	1.1546	9.8465	1920	269	ii.1712	....	....	M 592
4972	113 36 54,2	14,27	0,357	.....	−9.0652	−9.4550	1.1545	9.8467	....	....	.....	6235		
4973	134 41 57,5	14,26	0,410	+0,22	+9.2700	−9.6990	1.1540	9.8471	....	266	ii.1713	6232	5185	J 350
4974	41 45 34,9	14,25	0,207	−0,03	−9.9105	+9.7244	1.1539	9.8473	1923	275	ii.1714			
4975	153 57 50,8	14,21	0,515	.....	+9.6472	−9.8037	1.1524	9.8488	....	....	.....	....	....	R 407
4976	159 30 21,4	14,18	0,578	+0,05	+9.7082	−9.8209	1.1516	9.8496	....	....	.....	6222	5189	R 408
4977	144 46 12,1	14,17	0,455	+0,10	+9.5153	−9.7614	1.1515	9.8497	....	....	v.2755	6236	5193	R 409
4978	17 38 54,4	14,16	0,010	−0,13	−9.9065	+9.8280	1.1511	9.8501	....	2	iii.1890			
4979	116 1 13,0	14,16	0,365	.....	−8.8998	−9.4910	1.1511	9.8501	....	....	.....	6244		
4980	41 16 3,1	14,15	0,206	.....	−9.9132	+9.7246	1.1508	9.8504	1925	....	.....	....	....	G 2188
4981	64 32 36,0	14,14	−0,271	+0,16	−9.8431	+9.4814	1.1504	9.8508	1924	284	ii.1715			
4982	6 52 24,6	14,14	+0,496	.....	−9.8786	+9.8450	1.1503	9.8509	....	....	.....	....	....	G 2196
4983	113 8 57,4	14,11	−0,360	.....	−9.0781	−9.4419	1.1496	9.8516	....	....	.....	6250		
4984	113 24 27,5	14,11	0,361	+0,04	−9.0641	−9.4464	1.1496	9.8516	....	282	ii.1716			
4985	115 45 30,0	14,09	0,366	.....	−8.9112	−9.4847	1.1489	9.8523	....	....	.....	6253		
4986	138 9 44,8	14,09	0,429	+0,10	+9.3817	−9.7187	1.1488	9.8524	....	....	ii.1718	6246	5205	J 352
4987	141 31 27,9	14,09	0,443	+0,22	+9.4583	−9.7402	1.1488	9.8524	....	....	ii.1717	6245	5204	J 351, R 410
4988	138 10 6,2	14,08	0,429	.....	+9.3822	−9.7187	1.1487	9.8524	....	....	v.2760	....	5207	
4989	23 29 48,2	14,08	0,091	.....	−9.9171	+9.8087	1.1485	9.8527	....	....	.....	....	....	G 2192
4990	150 46 20,7	14,06	0,496	+0,13	+9.6130	−9.7868	1.1481	9.8530	....	....	v.2761	6241	5209	R 411
4991	63 7 11,8	14,06	0,269	−0,02	−9.8510	+9.5011	1.1480	9.8531	1926	290	ii.1719			
4992	34 52	14,06	0,177	.....	−9.9209	+9.7597	1.1479	9.8533	....	....	.....	....	....	A
4993	64 18 51,2	14,05	0,272	−0,02	−9.8453	+9.4825	1.1478	9.8534	....	291	ii.1720	....	....	W 812
4994	133 55 46,7	14,01	0,417	+0,18	+9.2648	−9.6854	1.1464	9.8547	....	288	iii.1894	6257	5219	
4995	109 13 10,4	+13,95	−0,357	+0,02	−9.2388	−9.3598	+1.1446	−9.8564	1927	3	ii.1721	....	.....	M 593

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
4996	Lupi	6	15 3 41,33	+3,756	+0,0279	−0,007	−8.7557	−8.7697	+0.5748	+8.5199
4997*	Libræ	7	3 41,55	3,393	+0,0149	.....	8.6894	8.7034	0.5305	+8.1917
4998*	Libræ	7	4 31,98	3,489	+0,0179	.....	8.7021	8.7193	0.5427	+8.3019
4999	Circini	6½	4 32,93	4,763	+0,0829	−0,015	8.9701	8.9874	0.6779	+8.9092
5000*	Bootis	6½	4 33,61	2,429	−0,0015	.....	8.7442	8.7615	0.3854	−8.4878
5001*	Bootis	6½	4 34,85	2,518	−0,0011	.....	8.7261	8.7435	0.4012	−8.4225
5002	23 Libræ	7	4 43,46	3,515	+0,0188	−0,022	8.7061	8.7240	0.5459	+8.3278
5003	25 Libræ ..... i^2	6½	4 47,11	3,404	+0,0152	0,000	8.6887	8.7068	0.5320	+8.2030
5004	Circini ..... δ	6	4 52,48	4,770	+0,0831	−0,006	8.9702	8.9887	0.6785	+8.9095
5005*	Trianguli Aust... γ	3	4 59,47	5,475	+0,1385	−0,019	9.0924	9.1113	0.7384	+9.0599
5006	Libræ	6	5 0,92	3,534	+0,0194	−0,010	8.7087	8.7277	0.5483	+8.3446
5007	Circini ..... ε	6	5 1,98	4,971	+0,0973	−0,016	9.0073	9.0264	0.6964	+8.9574
5008	Libræ	6½	5 6,45	3,249	+0,0107	+0,008	8.6708	8.6901	0.5117	+7.9289
5009	1 Lupi	6	5 26,93	3,651	+0,0235	+0,002	8.7296	8.7502	0.5624	+8.4408
5010*	Lupi	6	5 29,09	4,127	+0,0444	−0,005	8.8332	8.8540	0.6157	+8.7009
5011	Circini ..... β	5	5 48,85	4,636	+0,0735	−0,023	8.9407	8.9628	0.6661	+8.8703
5012	Lupi	6	5 53,49	+4,128	+0,0443	+0,037	8.8321	8.8544	+0.6157	+8.6995
5013	10 Ursæ Minoris	7½	5 58,84	−0,418	+0,1006	+0,014	9.2339	9.2566	−9.6214	−9.2178
5014	Libræ	7	6 0,09	+3,383	+0,0145	−0,003	8.6832	8.7059	+0.5293	+8.1699
5015	26 Libræ	7	6 6,35	3,371	+0,0141	0,000	8.6814	8.7045	0.5278	+8.1524
5016	Lupi	6	6 10,69	3,973	+0,0368	−0,005	8.7967	8.8201	0.5991	+8.6299
5017	Lupi	6	6 13,29	3,912	+0,0341	+0,003	8.7830	8.8066	0.5924	+8.5994
5018*	Libræ	7	6 16,94	3,572	+0,0205	.....	8.7124	8.7362	0.5529	+8.3738
5019	Bootis	8	6 34,82	1,942	+0,0002	.....	8.8459	8.8709	0.2883	−8.7254
5020*	Libræ	7	6 42,19	3,567	+0,0203	.....	8.7106	8.7360	0.5523	+8.3681
5021	Circini	7	6 49,01	+4,752	+0,0806	+0,038	8.9603	8.9862	+0.6769	+8.8976
5022	Ursæ Minoris	6	7 20,11	−7,112	+1,2076	.....	9.6798	9.7076	−0.8520	−9.6778
5023	Libræ	6	7 41,81	+3,462	+0,0167	−0,009	8.6907	8.7199	+0.5393	+8.2612
5024	3 Serpentis	6	7 44,22	2,977	+0,0046	+0,003	8.6602	8.6896	0.4737	−7.6418
5025	Lupi	7	7 45,49	4,130	+0,0438	.....	8.8270	8.8564	0.6159	+8.6933
5026	Bootis	6	7 52,83	2,284	−0,0015	.....	8.7664	8.7963	0.3587	−8.5637
5027*	Libræ	7	8 2,01	3,495	+0,0178	.....	8.6951	8.7256	0.5434	+8.2950
5028	Lupi ..... μ	5	8 7,65	4,132	+0,0438	−0,005	8.8263	8.8571	0.6161	+8.6926
5029	Lupi	7	8 9,66	4,132	+0,0438	.....	8.8262	8.8572	0.6161	+8.6926
5030	4 Serpentis	6	8 11,01	3,055	+0,0062	−0,003	8.6574	8.6884	0.4850	−6.8681
5031	48 Bootis ..... χ	5	8 12,96	2,512	−0,0009	−0,004	8.7185	8.7497	0.4000	−8.4138
5032	2 Lupi	4½	8 43,21	3,628	+0,0222	+0,003	8.7169	8.7500	0.5596	+8.4105
5033	Bootis	6	8 44,78	2,165	−0,0012	.....	8.7902	8.8233	0.3354	−8.6218
5034	27 Libræ ..... β	2½	8 56,49	3,223	+0,0099	−0,003	8.6609	8.6949	0.5083	+7.8468
5035	Lupi	6	9 7,57	3,902	+0,0329	+0,003	8.7726	8.8073	0.5913	+8.5828
5036	49 Bootis ..... δ	3½	9 27,33	2,410	−0,0013	+0,011	8.7355	8.7714	0.3821	−8.4817
5037*	Octantis ..... ϱ	6	9 31,21	12,354	+1,3495	+0,071	9.6314	9.6679	1.0918	+9.6290
5038*	Libræ	7	9 48,40	3,518	+0,0183	.....	8.6947	8.7319	0.5463	+8.3113
5039*	Libræ	7	10 22,55	3,504	+0,0178	.....	8.6911	8.7305	0.5446	+8.2956
5040	Circini	neb.	15 10 43,46	+4,691	+0,0742	−0,033	−8.9355	−8.9762	+0.6713	+8.8668

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
4996	125 31 20,4	+13,95	−0,394	+0,08	+8.8075	−9.6066	+1.1446	−9.8564	....	....	v.2765	6263	5221	
4997	108 32 4,5	13,95	0,356	.....	−9.2627	−9.3446	1.1446	9.8564	....	....	.....	....	....	B.F 2065
4998	113 26 54,3	13,90	0,367	.....	−9.0461	−9.4405	1.1429	9.8579	....	....	.....	6271		
4999	150 20 28,0	13,90	0,501	+0,05	+9.6147	−9.7797	1.1429	9.8579	....	....	v.2766	6259	5225	
5000	56 20 57,3	13,90	0,255	.....	−9.8812	+9.5843	1.1429	9.8580	....	....	.....	....	....	B.F 2072
5001	60 11 53,6	13,90	0,265	.....	−9.8663	+9.5370	1.1429	9.8580	....	....	.....	....	....	B.F 2073
5002	114 44 26,6	13,89	0,370	+0,19	−8.9643	−9.4621	1.1426	9.8583	....	5	iv. 989	6273		
5003	109 4 30,2	13,88	0,358	−0,10	−9.2411	−9.3545	1.1424	9.8584	1928	6	ii.1723	....	....	M 594
5004	150 23 45,0	13,88	0,502	+0,07	+9.6163	−9.7793	1.1423	9.8585	....	....	v.2769	6262	5229	
5005	158 7 9,5	13,87	0,577	+0,05	+9.7064	−9.8074	1.1420	9.8587	....	....	ii.1722	6255	5227	J353, R412
5006	115 37 36,0	13,87	0,372	−0,16	−8.8971	−9.4758	1.1420	9.8588	....	....	v.2770	6275	5233	
5007	153 3 1,2	13,87	0,524	+0,01	+9.6506	−9.7898	1.1420	9.8588	....	....	.....	6260	5231	R 413
5008	100 26 22,0	13,86	0,342	+0,10	−9.4711	−9.0977	1.1418	9.8590	....	9	iii.1895			
5009	120 57 16,8	13,84	0,385	+0,02	+6.0000	−9.5502	1.1411	9.8596	1929	10	iii.1896	6277	5237	
5010	137 30 42,5	13,84	0,436	+0,38	+9.3815	−9.7066	1.1411	9.8596	....	....	v.2772	6270	5235	
5011	148 14 4,8	13,82	0,490	+0,03	+9.5886	−9.7677	1.1404	9.8602	....	....	ii.1724	6266	5236	J 354
5012	137 28 39,3	13,81	−0,437	−1,04	+9.3822	−9.7055	1.1403	9.8604	....	....	v.2773	6274	5238	
5013	15 32 1,5	13,81	+0,044	−0,09	−9.9112	+9.8217	1.1401	9.8605	....	27	iii.1900			
5014	107 51 44,7	13,81	−0,358	−0,03	−9.2799	−9.3246	1.1400	9.8606	....	14	iii.1898			
5015	107 12 17,2	13,80	0,357	+0,02	−9.3006	−9.3086	1.1398	9.8608	1930	16	ii.1725			
5016	132 55 25,1	13,79	0,421	+0,17	+9.2470	−9.6706	1.1397	9.8609	....	....	v.2774	6278	5242	
5017	130 55 45,1	13,79	0,414	+0,04	+9.1694	−9.6537	1.1396	9.8610	....	11	iii.1899	6280	5243	
5018	117 17 31,3	13,79	0,378	.....	−8.7218	−9.4986	1.1395	9.8611	....	....	.....	6287		
5019	40 44 22,6	13,77	0,206	−0,02	−9.9212	+9.7161	1.1389	9.8616	....	....	.....	....	....	G 2198
5020	117 2 1,7	13,76	0,378	.....	−8.7466	−9.4940	1.1386	9.8618	....	....	.....	6291		
5021	149 56 21,0	13,75	−0,504	−0,01	+9.6154	−9.7734	1.1384	9.8620	....	....	v.2778	6272	5249	R 414
5022	5 28 13,6	13,72	+0,757	.....	−9.8851	+9.8332	1.1374	9.8630	....	....	.....	....	....	G 2213
5023	111 50 26,0	13,70	−0,369	+0,09	−9.1176	−9.4050	1.1366	9.8636	....	19	ii.1726	....	5259	M 595
5024	84 30 2,1	13,69	0,317	+0,04	−9.7007	+8.8159	1.1365	9.8637	1932	20	ii.1727			
5025	137 18 59,8	13,69	0,440	.....	+9.3854	−9.7006	1.1365	9.8637	....	....	.....	....	....	R 415
5026	51 10 15,9	13,69	0,244	.....	−9.9011	+9.6313	1.1362	9.8639	....	....	.....	....	....	G 2201
5027	113 27 14,4	13,68	0,373	.....	−9.0294	−9.4336	1.1359	9.8642	....	....	.....	6301		
5028	137 19 6,9	13,67	0,441	+0,18	+9.3869	−9.6999	1.1357	9.8644	....	....	ii.1728	6296	5260	J355, R416
5029	137 19 20,6	13,67	0,441	.....	+9.3870	−9.6999	1.1357	9.8644	....	....	v.2784	....	5261	R 417
5030	89 4 8,8	13,67	0,326	−0,01	−9.6491	+8.0441	1.1356	9.8645	1933	21	ii.1729			
5031	60 16 35,8	13,66	0,268	−0,01	−9.8691	+9.5287	1.1356	9.8645	1935	25	ii.1730			
5032	119 35 35,0	13,63	0,388	+0,06	−8.1818	−9.5259	1.1345	9.8654	1931	22	ii.1731	6304	5266	J 356
5033	47 16 2,4	13,63	0,232	.....	−9.9120	+9.6639	1.1345	9.8654	....	....	.....	....	....	G 2206
5034	98 49 33,0	13,62	0,345	0,00	−9.5000	−9.0178	1.1341	9.8658	1934	26	ii.1732	....	5270	M596, J357
5035	130 14 3,0	13,61	0,418	+0,09	+9.1559	−9.6417	1.1337	9.8661	....	23	iii.1903	6303	5268	
5036	56 7 20,7	13,58	0,259	+0,09	−9.8867	+9.5770	1.1330	9.8667	1936	29	ii.1733			
5037	173 56 53,0	13,57	1,326	−0,25	+9.8365	−9.8280	1.1327	9.8670	....	....	.....	6216	5240	
5038	114 25 48,7	13,56	0,378	.....	−8.9562	−9.4467	1.1323	9.8673	....	....	.....	6316		
5039	113 43 2,0	13,53	0,377	.....	−9.0013	−9.4334	1.1311	9.8683	....	....	.....	6317		
5040	148 37 9,2	+13,50	−0,506	+0,18	+9.6077	−9.7595	+1.1304	−9.8689	....	....	.....	6307	5277	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5041*	Libræ	7	15 10 53,15	+3,505	+0,0178	.....	−8.6901	−8.7314	+0.5447	+8.2946
5042	Circini	6½	11 3,14	4,793	+0,0806	−0,032	8.9539	8.9959	0.6806	+8.8920
5043	Libræ	7	11 17,13	3,220	+0,0098	−0,005	8.6558	8.6987	0.5079	+7.8302
5044	Circini .....γ	6	11 28,27	4,706	+0,0747	−0,005	8.9359	8.9794	0.6727	+8.8679
5045*	Libræ	7	11 30,67	3,592	+0,0206	.....	8.7034	8.7471	0.5553	+8.3712
5046	Lupi ..... δ	4	11 32,50	3,906	+0,0325	−0,008	8.7668	8.8106	0.5917	+8.5758
5047	5 Serpentis	5½	11 39,16	3,030	+0,0057	+0,010	8.6505	8.6948	0.4815	−7.2609
5048*	Bootis	6	11 41,13	2,687	+0,0006	+0,003	8.6803	8.7247	0.4293	−8.2371
5049*	Lupi ..... ν¹	5	11 42,44	4,149	+0,0435	−0,011	8.8193	8.8638	0.6179	+8.6861
5050*	Lupi ..... ν²	6	11 42,71	4,164	+0,0442	−0,142	8.8225	8.8670	0.6195	+8.6919
5051*	Libræ	7	11 48,84	3,543	+0,0189	.....	8.6941	8.7389	0.5493	+8.3270
5052	Trianguli Aust.....	6	12 11,39	5,504	+0,1327	+0,017	9.0712	9.1174	0.7406	+9.0376
5053	Lupi	7	12 15,78	4,151	+0,0434	.....	8.8181	8.8646	0.6181	+8.6848
5054	Lupi ..... φ¹	5	12 18,66	3,786	+0,0275	+0,005	8.7392	8.7860	0.5782	+8.5054
5055	28 Libræ	6	12 23,87	3,387	+0,0141	+0,003	8.6694	8.7165	0.5298	+8.1502
5056*	Lupi ..... ε	4½	12 30,65	4,037	+0,0379	−0,009	8.7925	8.8400	0.6061	+8.6354
5057	29 Libræ ..... o¹	6½	12 38,71	3,338	+0,0127	+0,005	8.6631	8.7111	0.5234	+8.0762
5058*	Ursæ Minoris	5½	12 54,27	0,612	+0,0359	.....	9.0725	9.1215	9.7870	−9.0394
5059	6 Serpentis	5½	13 24,03	3,049	+0,0061	−0,002	8.6466	8.6975	0.4841	−6.9905
5060	Lupi ..... φ²	5	13 35,42	3,806	+0,0280	−0,004	8.7398	8.7915	0.5804	+8.5123
5061	1 Coronæ Bor..... o	6	13 56,35	2,489	−0,0007	−0,007	8.7085	8.7615	0.3960	−8.4096
5062*	Libræ	7	14 0,77	3,562	+0,0193	.....	8.6920	8.7453	0.5517	+8.3362
5063	30 Libræ ..... o²	6	14 40,25	3,332	+0,0125	+0,001	8.6580	8.7137	0.5227	+8.0594
5064	Bootis	7½	14 48,16	1,841	+0,0016	+0,018	8.8423	8.8986	0.2650	−8.7313
5065	Lupi ..... υ	6	14 58,39	3,890	+0,0310	−0,004	8.7536	8.8105	0.5899	+8.5541
5066	Libræ	7	15 3,38	3,578	+0,0197	−0,001	8.6921	8.7494	0.5536	+8.3457
5067	7 Serpentis	6	15 17,19	2,836	+0,0026	+0,003	8.6539	8.7120	0.4528	−8.0095
5068	Apodis ..... κ¹	6	15 18,85	6,335	+0,2057	−0,002	9.1731	9.2313	0.8017	+9.1533
5069	Lupi	6	15 37,65	3,864	+0,0298	−0,010	8.7463	8.8057	0.5870	+8.5376
5070	Libræ	6	15 38,78	3,282	+0,0111	−0,003	8.6509	8.7104	0.5161	+7.9627
5071*	Bootis	6	15 42	1,759	+0,0027	.....	8.8567	8.9164	0.2452	−8.7560
5072	50 Bootis	5½	15 47,95	2,404	−0,0008	−0,002	8.7201	8.7801	0.3809	−8.4616
5073	8 Serpentis	7	16 0,03	3,079	+0,0066	+0,009	8.6409	8.7017	0.4884	+6.5682
5074	31 Libræ ..... ε	5½	16 4,53	3,245	+0,0102	−0,002	8.6471	8.7082	0.5112	+7.8772
5075	2 Coronæ Bor..... η	5½	17 0,53	2,466	−0,0006	+0,013	8.7048	8.7695	0.3920	−8.4145
5076	Bootis	6	17 4,45	2,217	−0,0009	.....	8.7550	8.8200	0.3458	−8.5642
5077	Bootis	7½	17 6,90	+1,732	+0,0032	.....	8.8578	8.9229	+0.2385	−8.7595
5078	12 Ursæ Minoris	7	17 9,05	−0,004	+0,0657	.....	9.1427	9.2079	−7.5798	−9.1203
5079*	11 Ursæ Minoris	5	17 15,75	−0,119	+0,0724	+0,033	9.1568	9.2225	−9.0770	−9.1359
5080*	Lupi	6½	17 30,76	+4,327	+0,0502	−0,049	8.8393	8.9059	+0.6362	+8.7302
5081	Normæ	6½	17 41,71	4,685	+0,0697	−0,028	8.9108	8.9781	0.6707	+8.8383
5082*	Lupi	6	17 42,64	3,815	+0,0276	−0,005	8.7304	8.7978	0.5815	+8.5021
5083	Circini	6	17 58,27	4,829	+0,0783	.....	8.9371	9.0055	0.6839	+8.8745
5084	51 Bootis ..... μ	4	18 49,51	2,277	−0,0009	−0,010	8.7375	8.8092	0.3573	−8.5260
5085	9 Serpentis ..... τ¹	5½	15 18 50,25	+2,779	+0,0019	+0,001	−8.6517	−8.7234	+0.4439	−8.0910

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a′	b′	c′	d′						
	° ′ ″	″	″	″										
5041	113 43 12,8	+13,49	−0,378	.....	−8.9987	−9.4324	+1.1301	−9.8692	....	....	.....	6325		
5042	150 6 49,7	13,48	0,518	+0,40	+9.6291	−9.7655	1.1297	9.8695	....	....	.....	6309	5280	R 418
5043	98 35 36,2	13,47	0,348	+0,04	−9.5030	−9.0014	1.1292	9.8699	....	32	iii.1904	....	....	M 597
5044	148 46 28,6	13,45	0,509	+0,01	+9.6119	−9.7587	1.1288	9.8702	....	....	v.2793	6312	5283	R 419
5045	117 43 53,7	13,45	0,389	.....	−8.5911	−9.4943	1.1288	9.8702	....	....	.....	6330		
5046	130 6 4,1	13,45	0,423	+0,20	+9.1641	−9.6355	1.1287	9.8703	....	31	ii.1734	6326	5285	J 358
5047	87 39 46,7	13,44	0,328	+0,52	−9.6664	+8.4366	1.1285	9.8705	1937	33	ii.1736			
5048	68 52 25,6	13,44	0,291	−0,09	−9.8276	+9.3830	1.1284	9.8705	....	36	ii.1737	....	....	B.H 255
5049	137 22 36,1	13,44	0,449	+0,23	+9.4019	−9.6929	1.1284	9.8706	....	....	ii.1735	6322	5286	J 359, R 421
5050	137 45 37,0	13,44	0,451	−0,04	+9.4115	−9.6956	1.1283	9.8706	....	....	v.2794	6324	5288	
5051	115 26 2,0	13,43	0,384	.....	−8.8633	−9.4588	1.1281	9.8708	....	....	.....	6334		
5052	157 46 12,1	13,41	0,597	+0,06	+9.7195	−9.7916	1.1273	9.8714	....	....	.....	6308	5284	R 420
5053	137 21 51,7	13,40	0,450	.....	+9.4038	−9.6917	1.1272	9.8715	....	....	.....	....	5291	R 422
5054	125 42 44,9	13,40	0,411	+0,06	+8.9133	−9.5911	1.1271	9.8716	....	34	ii.1738	6335	5293	B.F 2081
5055	107 36 34,9	13,39	0,368	+0,07	−9.2751	−9.3054	1.1269	9.8718	1938	37	ii.1740	....	....	M 598
5056	134 8 44,4	13,39	0,438	+0,18	+9.3164	−9.6673	1.1267	9.8719	....	35	ii.1739	6333	5294	J 361
5057	105 0 10,7	13,38	0,363	−0,07	−9.3547	−9.2372	1.1264	9.8722	1939	41	ii.1741	....	....	M 599
5058	22 4 43,0	13,36	0,067	.....	−9.9316	+9.7905	1.1258	9.8726	....	....	.....	....	....	B.H 1537
5059	88 44 5,8	13,33	0,332	+0,08	−9.6536	+8.1665	1.1248	9.8735	1940	44	ii.1743			
5060	126 18 58,8	13,32	0,415	+0,07	+8.9694	−9.5946	1.1244	9.8738	....	42	ii.1742	6349	5299	B.F 2084
5061	59 50 13,7	13,29	0,272	+0,06	−9.8759	+9.5225	1.1236	9.8744	1942	49	iii.1906			
5062	116 8 53,4	13,29	0,389	.....	−8.7738	−9.4654	1.1235	9.8745	....	....	.....	6355		
5063	104 35 41,6	13,25	0,365	−0,01	−9.3632	−9.2212	1.1220	9.8756	1941	50	ii.1744			
5064	39 14 30,4	13,24	0,202	+0,07	−9.9327	+9.7086	1.1218	9.8758	....	56	iii.1909	....	....	G 2217
5065	129 10 16,7	13,23	0,426	+0,11	+9.1411	−9.6196	1.1214	9.8761	....	47	iii.1908	6356	5308	R 423
5066	116 45 56,4	13,22	0,392	+0,30	−8.6884	−9.4725	1.1212	9.8762	....	....	v.2803	6360	5309	
5067	76 53 31,0	13,20	0,311	+0,01	−9.7734	+9.1741	1.1207	9.8766	1943	55	ii.1745			
5068	162 51 51,7	13,20	0,695	+0,37	+9.7719	−9.7987	1.1207	9.8767	....	....	.....	6323	5302	
5069	128 11 52,3	13,18	0,425	+0,12	+9.0969	−9.6090	1.1200	9.8772	....	52	iii.1910	6361	5313	
5070	101 49 49,5	13,18	0,361	+0,09	−9.4319	−9.1295	1.1199	9.8772	....	54	ii.1746	....	....	M 600
5071	37 32	13,18	0,193	.....	−9.9356	+9.7169	1.1198	9.8773	....	....	.....	....	....	A
5072	56 31 35,1	13,17	0,264	−0,02	−9.8910	+9.5590	1.1196	9.8775	1946	59	iii.1911			
5073	90 29 5,2	13,16	0,339	+0,05	−9.6309	−7.7443	1.1192	9.8778	1945	58	iii.1912			
5074	99 46 49,3	13,15	0,357	+0,19	−9.4764	−9.0469	1.1190	9.8779	1944	57	ii.1747	....	....	M 601
5075	59 10 1,9	13,09	0,273	+0,18	−9.8813	+9.5245	1.1170	9.8794	1947	67	iii.1914			
5076	49 52 49,3	13,09	0,245	.....	−9.9139	+9.6237	1.1168	9.8795	....	....	.....	....	....	G 2221
5077	37 7 0,1	13,08	−0,191	.....	−9.9377	+9.7162	1.1167	9.8796	....	....	.....	....	....	G 2223
5078	18 14 38,6	13,08	0,000	.....	−9.9324	+9.7920	1.1166	9.8797	....	....	.....	....	....	G 2225
5079	17 37 54,4	13,07	+0,013	−0,01	−9.9315	+9.7933	1.1164	9.8799	1954	78	iii.1916			
5080	141 4 8,8	13,06	−0,479	+0,06	+9.5020	−9.7046	1.1158	9.8803	....	....	.....	6373	5331	R 425
5081	147 49 13,5	13,05	0,519	−0,24	+9.6147	−9.7408	1.1154	9.8806	....	....	.....	6370	5333	R 426
5082	126 14 8,8	13,04	0,423	+0,06	+8.9956	−9.5849	1.1154	9.8806	....	64	iii.1915	6376	5334	
5083	149 57 57,3	13,03	0,536	.....	+9.6444	−9.7500	1.1148	9.8810	....	....	.....	....	....	R 427
5084	52 5 40,2	12,97	0,253	−0,08	−9.9090	+9.5991	1.1129	9.8824	1950	73	ii.1749			
5085	74 2 22,4	+12,97	−0,309	−0,08	−9.7972	+9.2500	+1.1129	−9.8824	1948	69	ii.1748			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5086	Lupi	6	15 18 59,60	+4,135	+0,0405	+0,024	−8.7941	−8.8664	+0.6165	+8.6526
5087	Normæ	7	19 39,39	4,421	+0,0541	−0,018	8.8518	8.9267	0.6455	+8.7533
5088	Apodis	6	19 40,18	7,648	+0,3488	.....	9.2940	9.3690	0.8835	+9.2835
5089	32 Libræ ..... ζ^1	4	19 48,27	3,368	+0,0130	+0,006	8.6500	8.7254	0.5273	+8.0953
5090	Libræ	7	19 53,05	3,623	+0,0205	−0,009	8.6877	8.7634	0.5590	+8.3641
5091*	Draconis	6	20 10	0,980	+0,0205	.....	8.9880	9.0648	9.9913	−8.9412
5092	Bootis	7	20 16,21	1,948	+0,0008	.....	8.8024	8.8797	0.2896	−8.6707
5093	Trianguli Aust. ..	6	20 26,18	+5,658	+0,1361	.....	9.0645	9.1423	+0.7527	+9.0328
5094*	13 Ursæ Minoris .. γ	3½	21 0,44	−0,164	+0,0729	+0,018	9.1484	9.2285	−9.2138	−9.1275
5095	10 Serpentis	5½	21 4,11	+3,028	+0,0056	0,000	8.6299	8.7102	+0.4812	−7.2459
5096	33 Libræ ..... ζ^2	7	21 6,31	3,383	+0,0134	−0,001	8.6487	8.7291	0.5294	+8.1126
5097*	12 Draconis ..... ι	3	21 36,10	1,322	+0,0109	+0,010	8.9228	9.0051	0.1213	−8.8581
5098	3 Coronæ Bor. .. β	4	21 38,99	2,485	−0,0004	−0,005	8.6891	8.7716	0.3953	−8.3831
5099	Libræ	7	21 42,67	3,381	+0,0133	.....	8.6469	8.7296	0.5290	+8.1062
5100	34 Libræ ..... ζ^3	6	22 13,21	3,368	+0,0129	+0,004	8.6443	8.7290	0.5274	+8.0870
5101	Normæ	7	22 39,57	+4,637	+0,0643	−0,002	8.8847	8.9712	+0.6662	+8.8061
5102	14 Ursæ Minoris	7	22 44,45	−0,537	+0,0954	.....	9.1854	9.2722	−9.7303	−9.1683
5103	Trianguli Aust... ε	5	23 3,22	+5,376	+0,1115	−0,020	9.0124	9.1004	+0.7304	+8.9725
5104	Libræ	7	23 6,60	3,440	+0,0148	0,000	8.6509	8.7391	0.5366	+8.1776
5105*	Libræ	7	23 25,23	3,519	+0,0169	.....	8.6613	8.7507	0.5464	+8.2597
5106*	Normæ	6½	23 39,39	4,663	+0,0652	−0,010	8.8864	8.9767	0.6687	+8.8096
5107	Apodis	6	23 39,80	7,108	+0,2721	−0,036	9.2274	9.3177	0.8517	+9.2135
5108*	Apodis ..... κ^2	6	23 49,45	6,456	+0,2028	−0,037	9.1559	9.2469	0.8099	+9.1364
5109	Libræ	6½	24 0,07	3,432	+0,0144	−0,009	8.6475	8.7392	0.5355	+8.1636
5110*	Libræ	7	24 11,99	3,562	+0,0181	.....	8.6661	8.7585	0.5517	+8.2967
5111*	Libræ	7	24 17,37	3,533	+0,0172	.....	8.6613	8.7540	0.5482	+8.2702
5112	35 Libræ ..... ζ^4	6	24 27,29	3,376	+0,0129	+0,004	8.6396	8.7330	0.5284	+8.0888
5113	Bootis	6	24 36,70	1,905	+0,0013	.....	8.7978	8.8918	0.2798	−8.6704
5114	Normæ	7	24 42,67	4,650	+0,0639	.....	8.8803	8.9747	0.6675	+8.8019
5115	Draconis	6	24 53,17	1,176	+0,0143	.....	8.9377	9.0328	0.0702	−8.8803
5116	Draconis	6	24 57,75	1,043	+0,0181	−0,054	8.9604	9.0558	0.0181	−8.9095
5117*	Libræ	7	25 1,33	3,550	+0,0176	+0,002	8.6620	8.7576	0.5502	+8.2828
5118	Lupi ..... γ	3	25 9,82	3,967	+0,0317	−0,004	8.7400	8.8362	0.5984	+8.5540
5119	11 Serpentis	6	25 14,67	3,083	+0,0065	+0,004	8.6199	8.7163	0.4890	+6.6905
5120	12 Serpentis ..... τ^2	6½	25 15,13	2,760	+0,0019	+0,003	8.6383	8.7348	0.4409	−8.0934
5121*	36 Libræ	6	25 32,30	3,615	+0,0195	0,000	8.6714	8.7690	0.5582	+8.3363
5122	52 Bootis ..... ν^1	5½	25 32,37	2,151	−0,0002	+0,001	8.7437	8.8413	0.3327	−8.5636
5123	Lupi	5½	25 34,76	4,096	+0,0368	+0,005	8.7655	8.8632	0.6123	+8.6108
5124	Lupi	6½	25 56,50	4,077	+0,0359	−0,034	8.7605	8.8596	0.6103	+8.6013
5125	37 Libræ	4	25 59,09	3,247	+0,0098	+0,021	8.6242	8.7235	0.5114	+7.8439
5126	Serpentis	6½	26 9,95	2,760	+0,0019	+0,004	8.6360	8.7360	0.4409	−8.0899
5127*	Libræ	7	26 13,04	3,640	+0,0202	.....	8.6739	8.7741	0.5612	+8.3532
5128*	Libræ	7	26 19,93	3,564	+0,0178	.....	8.6608	8.7615	0.5520	+8.2905
5129*	Libræ	5½	26 21,05	3,230	+0,0095	.....	8.6222	8.7230	0.5093	+7.8006
5130	53 Bootis ..... ν^2	5½	15 26 24,73	+2,146	−0,0001	−0,003	−8.7420	−8.8430	+0.3317	−8.5625

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5086	136 12 29,9	+12,96	−0,460	+0,12	+9.3990	−9.6688	+1.1126	−9.8827	....	....	v.2816	6380	5344	
5087	142 50 59,4	12,91	0,493	−0,12	+9.5412	−9.7103	1.1111	9.8837	....	....	v.2817	6383	5345	R 428
5088	167 24 6,3	12,91	0,853	.....	+9.8143	−9.7982	1.1110	9.8837	....	....	.....	6348	5336	
5089	106 11 20,8	12,90	0,376	+0,04	−9.3084	−9.2538	1.1107	9.8839	1949	75	ii.1750	....	....	M 602
5090	118 20 18,7	12,90	0,405	−0,11	−8.2672	−9.4847	1.1106	9.8841	....	....	v.2819	6395	5349	
5091	26 7	12,88	0,110	.....	−9.9441	+9.7609	1.1099	9.8845	....	....	.....	....	....	A
5092	42 24 30,8	12,87	0,218	+0,03	−9.9339	+9.6757	1.1097	9.8847	....	....	.....	....	....	G 2230
5093	158 22 21,0	12,86	−0,633	.....	+9.7430	−9.7754	1.1093	9.8850	....	....	.....	....	....	R 429
5094	17 37 55,7	12,82	+0,018	−0,05	−9.9366	+9.7849	1.1080	9.8859	1962	95	ii.1754	....	....	P 612
5095	87 37 58,2	12,82	−0,340	+0,04	−9.6678	+8.4216	1.1079	9.8860	1952	82	ii.1751			
5096	106 55 7,5	12,82	0,380	−0,03	−9.2819	−9.2695	1.1078	9.8860	1951	80	iii.1919	....	....	M 603
5097	30 30 25,3	12,78	0,149	−0,02	−9.9466	+9.7397	1.1066	9.8868	1957	92	ii.1756			
5098	60 22 27,9	12,78	0,279	−0,07	−9.8798	+9.4983	1.1065	9.8869	1955	86	ii.1753			
5099	106 44 9,4	12,78	0,380	.....	−9.2869	−9.2635	1.1064	9.8870	....	....	ii.1752	....	....	Z 1060
5100	106 5 28,5	12,74	0,379	+0,03	−9.3075	−9.2458	1.1052	9.8878	1953	84	ii.1755	....	....	M 604
5101	146 33 42,6	12,71	−0,523	+0,20	+9.6089	−9.7234	1.1042	9.8884	....	....	.....	6400	5371	R 430
5102	15 59 50,7	12,71	+0,061	.....	−9.9362	+9.7847	1.1040	9.8886	....	....	.....	....	....	G 2238
5103	155 48 22,5	12,69	−0,607	+0,24	+9.7232	−9.7612	1.1033	9.8890	....	....	ii.1757	6398	5372	J362, R431
5104	109 38 53,7	12,68	0,389	+0,09	−9.1709	−9.3276	1.1032	9.8891	....	91	iii.1923	....	....	B.H 954
5105	113 22 10,1	12,66	0,398	.....	−8.9581	−9.3986	1.1024	9.8896	....	....	.....	6414		
5106	146 54 30,6	12,64	0,528	+0,04	+9.6164	−9.7228	1.1019	9.8900	....	....	.....	6407	5375	R 433
5107	165 34 59,2	12,64	0,805	+0,48	+9.8088	−9.7858	1.1019	9.8900	....	....	.....	6381	5368	
5108	162 56 47,7	12,63	0,731	+0,42	+9.7890	−9.7798	1.1015	9.8902	....	...	.....	6390	5373	R 432
5109	109 9 16,5	12,62	0,389	+0,08	−9.1901	−9.3149	1.1011	9.8905	....	96	ii.1758	....	....	B.H 955
5110	115 17 26,6	12,61	0,404	.....	−8.7796	−9.4290	1.1006	9.8908	....	....	.....	6419		
5111	113 58 40,4	12,60	0,401	.....	−8.9053	−9.4071	1.1004	9.8910	....	....	.....	6420		
5112	106 20 21,5	12,59	0,383	−0,01	−9.2954	−9.2470	1.1000	9.8912	1956	97	ii.1759	....	....	M 607
5113	41 46 9,8	12,58	0,216	.....	−9.9395	+9.6701	1.0997	9.8914	....	....	.....	....	....	G 2239
5114	146 35 49,3	12,57	0,528	.....	+9.6144	−9.7188	1.0994	9.8916	....	....	.....	....	....	R 434
5115	28 48 38,9	12,56	0,134	.....	−9.9505	+9.7394	1.0990	9.8919	....	....	.....	....	....	G 2241
5116	27 12 19,1	12,56	0,119	+0,13	−9.9503	+9.7457	1.0988	9.8920	....	110	iii.1928	....	....	G 2243
5117	114 41 7,0	12,55	0,404	+0,32	−8.8363	−9.4173	1.0987	9.8921	....	....	v.2830	6425	5382	
5118	130 39 29,7	12,54	0,451	+0,17	+9.2533	−9.6101	1.0984	9.8923	....	98	ii.1760	6422	5380	J363, R435
5119	90 40 27,0	12,54	0,351	+0,09	−9.6281	−7.8666	1.0982	9.8924	1959	104	ii.1761			
5120	73 25 51,8	12,54	0,314	−0,05	−9.8052	+9.2510	1.0982	9.8924	1961	105	iii.1927			
5121	117 32 14,7	12,52	0,412	+0,05	−8.3729	−9.4602	1.0975	9.8929	1958	102	ii.1762	6430	5385	M 608
5122	48 39 9,0	12,52	0,245	−0,01	−9.9253	+9.6152	1.0975	9.8929	1965	108	iii.1929			
5123	134 27 6,4	12,51	0,467	+0,13	+9.3757	−9.6404	1.0974	9.8929	....	99	iii.1926	6424	5384	
5124	133 53 18,3	12,49	0,465	−0,09	+9.3610	−9.6352	1.0965	9.8935	....	....	v.2831	6427	5388	
5125	99 32 46,0	12,49	0,371	+0,23	−9.4745	−9.0139	1.0964	9.8935	1960	106	ii.1763	....	....	J 364
5126	73 28 35,0	12,47	0,315	−0,04	−9.8053	+9.2477	1.0960	9.8938	1963	109	iii.1930			
5127	118 33 5,9	12,47	0,416	.....	−7.8389	−9.4730	1.0959	9.8939	....	....	.....	6433		
5128	115 13 46,7	12,46	0,407	.....	−8.7679	−9.4230	1.0956	9.8940	....	....	.....	6436		
5129	98 40 24,9	12,46	0,369	.....	−9.4925	−8.9717	1.0955	9.8941	....	....	.....	....	....	B.H 952
5130	48 35 18,6	+12,46	−0,245	−0,01	−9.9263	+9.6137	+1.0954	−9.8942	1967	112	iii.1931			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5131*	4 Coronæ Bor. .. θ	4½	15 26 52,95	+2,418	−0,0003	−0,003	−8.6869	−8.7897	+0.3835	−8.4095
5132	Serpentis	7	27 2,29	2,737	+0,0018	+0,003	8.6365	8.7400	0.4372	−8.1182
5133*	Libræ	7	27 5,29	3,641	+0,0201	.....	8.6716	8.7752	0.5612	+8.3502
5134	38 Libræ ..... γ	4½	27 8,47	3,338	+0,0118	+0,006	8.6290	8.7328	0.5235	+8.0212
5135	13 Serpentis ..... δ	3	27 38,64	2,865	+0,0032	+0,001	8.6222	8.7280	0.4572	−7.9046
5136	Normæ.....	6	27 41,61	4,412	+0,0502	−0,058	8.8234	8.9294	0.6446	+8.7192
5137	Circini	6	27 43,67	4,851	+0,0736	−0,003	8.9072	9.0133	0.6858	+8.8421
5138	39 Libræ	4	27 55,83	3,622	+0,0194	+0,002	8.6660	8.7729	0.5590	+8.3324
5139	Lupi ..... ι	5	27 58,18	+4,022	+0,0331	−0,004	8.7427	8.8498	+0.6044	+8.5688
5140*	Ursæ Minoris	6	27 58,42	−24,315	+8,0516	.....	0.0285	0.1356	−1.3859	−0.0282
5141	Trianguli Aust. ..	7	27 59,37	+5,112	+0,0893	.....	8.9518	9.0590	+0.7086	+8.9005
5142*	Libræ	7	28 8,46	3,585	+0,0183	.....	8.6592	8.7670	0.5544	+8.3010
5143	5 Coronæ Bor.... α	2½	28 20,20	2,528	+0,0002	+0,011	8.6634	8.7719	0.4028	−8.3238
5144	Normæ.....	7	28 25,42	4,660	+0,0625	−0,005	8.8694	8.9782	0.6684	+8.7901
5145	Libræ	7	28 29,09	3,580	+0,0181	−0,004	8.6576	8.7667	0.5539	+8.2960
5146*	15 Serpentis ..... τ^3	6	28 44,79	2,724	+0,0017	−0,005	8.6336	8.7437	0.4352	−8.1273
5147	Draconis	6	28 50,81	0,834	+0,0240	+0,020	8.9806	9.0911	9.9212	−8.9369
5148	14 Serpentis ..... A^1	6	28 52,12	3,072	+0,0063	+0,001	8.6111	8.7217	0.4874	+5.6391
5149	Libræ	7	29 9,15	3,626	+0,0193	0,000	8.6633	8.7750	0.5594	+8.3307
5150	16 Serpentis	6	29 17,53	2,874	+0,0033	+0,012	8.6175	8.7297	0.4585	−7.8787
5151	40 Libræ	4½	29 27,39	3,664	+0,0205	−0,002	8.6691	8.7820	0.5640	+8.3584
5152	17 Serpentis ..... τ^4	6	29 31,30	2,775	+0,0022	+0,001	8.6258	8.7390	0.4433	−8.0555
5153*	18 Serpentis ..... τ^5	6	29 34,67	2,754	+0,0019	+0,010	8.6279	8.7413	0.4400	−8.0843
5154	Libræ	7	29 38,97	3,335	+0,0116	+0,009	8.6224	8.7360	0.5232	+8.0070
5155	6 Coronæ Bor. .. μ	5	29 44,61	2,197	−0,0001	+0,003	8.7217	8.8357	0.3418	−8.5253
5156	Trianguli Aust. ..	6	29 58,74	5,456	+0,1107	.....	8.9996	9.1146	0.7369	+8.9605
5157	Bootis	6	30 1,50	2,058	+0,0004	.....	8.7489	8.8641	0.3135	−8.5881
5158	Libræ	7	30 7,94	3,336	+0,0116	−0,008	8.6212	8.7367	0.5232	+8.0053
5159	Normæ.....	6½	30 13,62	4,474	+0,0522	+0,002	8.8273	8.9432	0.6507	+8.7291
5160*	3 Lupi..... ψ^1	5½	30 15,34	3,785	+0,0241	+0,002	8.6887	8.8048	0.5780	+8.4354
5161	41 Libræ	6	30 16,97	3,432	+0,0139	+0,011	8.6315	8.7476	0.5356	+8.1397
5162	Normæ.....	6	30 25,18	4,524	+0,0545	.....	8.8364	8.9531	0.6555	+8.7435
5163	Libræ	7	30 31,41	3,616	+0,0188	−0,028	8.6578	8.7749	0.5582	+8.3171
5164	Bootis	7	30 44,81	1,794	+0,0026	.....	8.8002	8.9182	0.2539	−8.6858
5165	Lupi	5,	30 53,87	4,104	+0,0357	−0,014	8.7505	8.8688	0.6132	+8.5935
5166	42 Libræ	5½	31 25,33	3,530	+0,0163	+0,001	8.6419	8.7625	0.5478	+8.2395
5167	Libræ	7	32 22,72	3,659	+0,0199	+0,047	8.6598	8.7842	0.5633	+8.3429
5168	54 Bootis ..... φ	5½	32 26,33	2,146	+0,0001	+0,007	8.7235	8.8481	0.3317	−8.5391
5169	Libræ	7	32 27,18	3,656	+0,0198	.....	8.6591	8.7838	0.5630	+8.3405
5170	Normæ.....	7	32 32,43	4,398	+0,0477	−0,026	8.8045	8.9295	0.6433	+8.6959
5171	Lupi	5½	32 54,09	3,876	+0,0268	−0,015	8.6984	8.8248	0.5884	+8.4772
5172	Normæ.....	7	32 55,59	4,413	+0,0482	−0,040	8.8061	8.9327	0.6448	+8.6992
5173*	4 Lupi..... ψ^2	5½	33 8,51	3,800	+0,0241	−0,003	8.6831	8.8105	0.5798	+8.4331
5174	Normæ.....	6	33 14,77	4,336	+0,0446	−0,018	8.7898	8.9176	0.6371	+8.6723
5175*	Bootis	7	15 33 17,61	+2,032	+0,0007	.....	−8.7439	−8.8719	+0.3078	−8.5864

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
5131	58 7 52,5	+12,42	−0,277	+0,02	−9.8938	+9.5147	+1.0943	−9.8949	1968	115	ii.1765			
5132	72 21 11,5	12,41	0,313	+0,06	−9.8140	+9.2733	1.0939	9.8951	....	114	iii.1932	....	....	B.F 2117
5133	118 29 55,0	12,41	0,417	.....	−7.8195	−9.4702	1.0938	9.8952	....	....	.....	6442		
5134	104 17 6,2	12,41	0,383	−0,02	−9.3553	−9.1837	1.0936	9.8953	1964	111	ii.1764	....	....	M609,J365
5135	78 57 20,3	12,37	0,329	−0,05	−9.7610	+9.0725	1.0924	9.8960	1969	117	ii.1767			
5136	141 52 23,5	12,37	0,507	+0,26	+9.5457	−9.6859	1.0923	9.8961	....	....	v.2836	6437	5396	R 437
5137	149 24 7,8	12,37	0,557	+0,24	+9.6597	−9.7249	1.0922	9.8961	....	....	.....	6431	5394	R 436
5138	117 37 58,6	12,35	0,416	−0,03	−8.2810	−9.4559	1.0917	9.8964	1966	116	ii.1768	6445	5400	M610,J366
5139	132 4 16,9	12,35	−0,462	+0,14	+9.3137	−9.6155	1.0916	9.8965	....	113	ii.1766	6443	5399	
5140	2 12 10,8	12,35	+2,794	.....	−9.9053	+9.7891	1.0916	9.8965	....	....	.....	....	....	G 2283
5141	152 42 0,7	12,35	−0,587	.....	+9.7000	−9.7381	1.0916	9.8965	....	....	.....	....	....	R 438
5142	115 59 44,5	12,34	0,412	.....	−8.6484	−9.4308	1.0912	9.8967	....	....	.....	6446		
5143	62 46 38,2	12,32	0,291	+0,07	−9.8732	+9.4489	1.0907	9.8970	1973	121	ii.1770			
5144	146 25 1,7	12,32	0,536	+0,12	+9.6206	−9.7090	1.0905	9.8972	....	....	v.2838	6440	5401	R 439
5145	115 46 45,3	12,31	0,412	+0,14	−8.6767	−9.4266	1.0904	9.8973	....	118	ii.1769	6450	5404	M 611
5146	71 50 27,4	12,30	0,314	−0,04	−9.8186	+9.2812	1.0897	9.8976	1974	124	ii.1771			
5147	25 17 12,1	12,29	0,096	−0,01	−9.9542	+9.7435	1.0895	9.8978	....	136	iii.1934	....	....	G 2250
5148	90 3 40,0	12,29	0,354	+0,08	−9.6367	−6.8152	1.0895	9.8978	1971	122	ii.1772			
5149	117 42 25,2	12,27	0,418	+0,02	−8.2148	−9.4539	1.0888	9.8982	....	120	ii.1773	6454	....	P621,W834
5150	79 29 6,0	12,26	0,332	+0,17	−9.7567	+9.0474	1.0884	9.8984	....	126	ii.1775			
5151	119 16 46,5	12,25	0,423	+0,04	+7.9445	−9.4752	1.0880	9.8987	1970	123	ii.1774	6455	5406	J 367
5152	74 23 56,2	12,24	0,321	−0,06	−9.8000	+9.2153	1.0878	9.8988	1976	130	iii.1936			
5153	73 22 48,4	12,24	0,318	+0,01	−9.8078	+9.2419	1.0877	9.8989	1977	131	ii.1776			
5154	104 1 52,7	12,23	0,386	−0,01	−9.3597	−9.1699	1.0875	9.8990	....	125	iii.1935	....	....	M 612
5155	50 29 21,3	12,23	0,254	0,00	−9.9238	+9.5887	1.0873	9.8991	1979	135	ii.1777			
5156	156 1 54,7	12,21	0,631	.....	+9.7393	−9.7453	1.0867	9.8994	....	....	.....	....	....	R 440
5157	46 20 2,1	12,21	0,238	.....	−9.9354	+9.6235	1.0866	9.8995	....	....	.....	....	....	G 2253
5158	104 0 59,6	12,20	0,386	+0,09	−9.3595	−9.1683	1.0863	9.8997	....	132	iii.1937	....	....	M 614
5159	142 54 0,2	12,19	0,518	+0,22	+9.5700	−9.6857	1.0861	9.8998	....	....	v.2839	6451	5408	R 441
5160	123 55 3,3	12,19	0,438	+0,06	+8.9191	−9.5305	1.0860	9.8998	1972	128	iii.1938	6463	5410	
5161	108 48 7,6	12,19	0,398	+0,03	−9.1901	−9.2920	1.0860	9.8999	1975	133	ii.1778	....	....	M 613
5162	143 50 13,6	12,18	0,524	.....	+9.5858	−9.6905	1.0856	9.9001	....	....	.....	....	....	R 442
5163	117 9 22,2	12,17	0,419	+1,53	−8.3692	−9.4425	1.0854	9.9002	....	....	v.2841	6469	5414	
5164	39 48 5,1	12,16	0,208	−0,04	−9.9488	+9.6681	1.0848	9.9006	....	....	.....	....	....	G 2254
5165	134 9 32,9	12,15	0,476	+0,34	+9.3856	−9.6254	1.0846	9.9007	....	134	ii.1779	6464	5416	
5166	113 19 31,4	12,11	0,410	0,00	−8.9186	−9.3786	1.0831	9.9015	1978	138	ii.1780	6479	5423	M 615
5167	118 48 56,5	12,04	0,427	+1,13	+7.7160	−9.4616	1.0807	9.9029	....	....	v.2846	6485	5431	
5168	49 9 19,6	12,04	0,250	−0,07	−9.9301	+9.5939	1.0806	9.9030	1982	147	iii.1941			
5169	118 41 47,5	12,04	0,427	.....	+7.5315	−9.4597	1.0805	9.9030	....	....	v.2848	....	5432	
5170	141 8 38,0	12,03	0,513	+0,08	+9.5449	−9.6695	1.0803	9.9031	....	....	.....	6476	5428	R 443
5171	126 56 16,5	12,01	0,453	+0,08	+9.1287	−9.5560	1.0794	9.9036	....	141	iii.1942	6486	5437	
5172	141 25 20,7	12,00	0,516	+0,62	+9.5511	−9.6702	1.0793	9.9037	....	....	v.2850	6480	5434	R 444
5173	124 13 27,2	11,99	0,444	+0,09	+8.9643	−9.5267	1.0788	9.9040	1980	143	iii.1944	6489	5440	
5174	139 43 59,8	11,98	0,507	+0,17	+9.5204	−9.6589	1.0785	9.9041	....	....	.....	6483	5439	
5175	45 54 16,3	+11,98	−0,238	−0,03	−9.9394	+9.6187	+1.0784	−9.9042	....	....	.....	....	....	G 2258

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5176	43 Libræ x	5	15 33 18,82	+3,444	+0,0140	+0,001	−8.6249	−8.7529	+0.5370	+8.1416
5177*	Bootis	6	33 28,19	1,908	+0,0015	+0,011	8.7683	8.8970	0.2806	−8.6345
5178	7 Coronæ Bor. .. ζ	5	33 44,09	2,258	−0,0001	+0,013	8.6974	8.8271	0.3537	−8.4781
5179	Normæ	6	34 2,05	4,366	+0,0456	+0,008	8.7929	8.9239	0.6400	+8.6791
5180	19 Serpentis ..... τ^6	6	34 5,46	2,752	+0,0021	+0,003	8.6164	8.7475	0.4396	−8.0700
5181	Bootis	6	34 11,48	1,747	+0,0032	.....	8.7981	8.9297	0.2422	−8.6881
5182*	Trianguli Aust. ..	6	34 16,92	5,374	+0,1011	+0,035	8.9711	9.1030	0.7303	+8.9282
5183	Normæ	6	34 18,30	4,748	+0,0640	−0,050	8.8653	8.9973	0.6765	+8.7905
5184	Libræ	7	34 20,25	3,370	+0,0121	−0,017	8.6136	8.7457	0.5276	+8.0413
5185	20 Serpentis ..... χ	5½	34 44,30	2,815	+0,0028	+0,007	8.6083	8.7420	0.4495	−7.9711
5186	Normæ	6½	34 46,93	4,771	+0,0651	−0,034	8.8678	9.0017	0.6787	+8.7945
5187	21 Serpentis ..... ι	5	34 51,89	2,675	+0,0014	−0,005	8.6235	8.7578	0.4273	−8.1608
5188*	Libræ	7	35 0,70	3,351	+0,0116	.....	8.6099	8.7447	0.5251	+8.0101
5189	22 Serpentis ..... τ^7	6	35 9,87	2,700	+0,0016	−0,007	8.6195	8.7549	0.4314	−8.1309
5190	44 Libræ ..... η	4½	35 38,69	+3,364	+0,0118	+0,007	8.6095	8.7468	+0.5269	+8.0278
5191*	15 Ursæ Minoris .. θ	5	35 58,56	−1,952	+0,1913	−0,024	9.2699	9.4085	−0.2904	−9.2600
5192	8 Coronæ Bor..... γ	5	36 26,63	+2,524	+0,0004	−0,005	8.6412	8.7817	+0.4021	−8.2949
5193*	Trianguli Aust.....	6½	36 27,83	4,939	+0,0731	+0,016	8.8916	9.0322	0.6937	+8.8287
5194	23 Serpentis ..... ψ	6	36 29,59	3,014	+0,0053	0,000	8.5924	8.7332	0.4791	−7.3112
5195	Scorpii	7	36 31,81	3,685	+0,0201	+0,003	8.6523	8.7932	0.5665	+8.3456
5196	24 Serpentis ..... α	2½	36 52,83	2,939	+0,0043	+0,014	8.5940	8.7362	0.4683	−7.6737
5197	Libræ	6	36 53,63	3,559	+0,0165	.....	8.6309	8.7732	0.5513	+8.2443
5198*	Scorpii	7	37 6,64	3,638	+0,0186	.....	8.6426	8.7858	0.5608	+8.3082
5199*	Lupi	6	37 10,11	3,809	+0,0237	+0,001	8.6725	8.8159	0.5808	+8.4224
5200*	Normæ	7	37 18,24	4,561	+0,0533	.....	8.8197	8.9637	0.6591	+8.7272
5201	Normæ	7	37 25,03	4,563	+0,0533	.....	8.8195	8.9639	0.6592	+8.7271
5202	Lupi	6	37 44,73	3,903	+0,0267	−0,044	8.6887	8.8344	0.5914	+8.4725
5203	26 Serpentis ..... τ^8	6	37 53,42	2,723	+0,0019	0,000	8.6093	8.7556	0.4350	−8.0932
5204	9 Coronæ Bor. .. π	6	38 4,77	+2,364	+0,0000	−0,006	8.6640	8.8111	+0.3736	−8.4000
5205	Ursæ Minoris	6	38 8,35	−3,759	+0,3807	.....	9.3903	9.5376	−0.5750	−9.3849
5206	25 Serpentis ..... A^2	6	38 20,55	+3,096	+0,0065	+0,004	8.5871	8.7352	+0.4908	+6.9528
5207	Ursæ Minoris	6	38 20,78	−3,764	+0,3807	.....	9.3898	9.5380	−0.5757	−9.3844
5208	Serpentis	8	38 38,62	+3,139	+0,0073	.....	8.5870	8.7363	+0.4968	+7.3834
5209	Normæ	6	38 46,06	4,505	+0,0500	−0,007	8.8038	8.9536	0.6537	+8.7047
5210*	Draconis	6	38 46,15	1,631	+0,0047	−0,004	8.8047	8.9545	0.2125	−8.7061
5211*	Scorpii	7	38 56,12	3,592	+0,0171	.....	8.6300	8.7804	0.5553	+8.2642
5212*	Scorpii	7	39 5,57	3,574	+0,0166	.....	8.6268	8.7779	0.5531	+8.2485
5213	Normæ	6	39 7,62	4,303	+0,0411	−0,001	8.7632	8.9144	0.6338	+8.6373
5214	27 Serpentis ..... λ	4½	39 10,27	2,920	+0,0039	−0,008	8.5888	8.7402	0.4654	−7.7229
5215	Scorpii	7	39 11,78	3,659	+0,0190	−0,018	8.6400	8.7916	0.5634	+8.3161
5216	28 Serpentis ..... β	3½	39 15,99	2,759	+0,0022	+0,008	8.6014	8.7532	0.4408	−8.0390
5217	Trianguli Aust. ..	6	39 21,69	5,381	+0,0972	+0,075	8.9531	9.1053	0.7308	+8.9092
5218	Normæ	6	39 28,64	4,609	+0,0545	−0,039	8.8210	8.9736	0.6636	+8.7322
5219	29 Serpentis	7½	39 30,05	2,757	+0,0022	+0,001	8.6010	8.7538	0.4405	−8.0413
5220*	Scorpii	7	15 39 34,75	+3,543	+0,0159	.....	−8.6208	−8.7739	+0.5494	+8.2193

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5176	109 11 15,9	+11,98	−0,403	+0,08	−9.1652	−9.2929	+1.0784	−9.9042	1981	145	ii.1781	....	....	M616,J368
5177	42 42 18,0	11,97	0,223	+0,13	−9.9465	+9.6419	1.0780	9.9044	....	153	iii.1946	....	....	B.F 2143?
5178	52 52 28,2	11,95	0,265	+0,10	−9.9195	+9.5558	1.0773	9.9048	....	152	ii.1782	....	....	P 626
5179	140 18 20,3	11,93	0,512	+0,35	+9.5333	−9.6605	1.0765	9.9052	....	....	.....	6488	5445	
5180	73 29 12,7	11,92	0,323	−0,06	−9.8094	+9.2278	1.0764	9.9053	1983	151	ii.1783			
5181	39 5 6,8	11,92	0,205	.....	−9.9533	+9.6639	1.0761	9.9055	....	....	.....	....	....	G 2262
5182	154 57 52,9	11,91	0,631	−0,01	+9.7367	−9.7308	1.0759	9.9056	....	....	.....	6477	5442	R 445
5183	147 19 42,0	11,91	0,557	−0,67	+9.6464	−9.6988	1.0758	9.9056	....	....	.....	6487	5446	
5184	105 31 45,6	11,91	0,396	+0,16	−9.3066	−9.2012	1.0757	9.9057	....	150	iii.1947	....	....	M 617
5185	76 40 2,4	11,88	0,331	0,00	−9.7840	+9.1354	1.0747	9.9062	1984	154	ii.1784			
5186	147 38 41,5	11,87	0,561	−0,11	+9.6519	−9.6991	1.0746	9.9063	....	....	.....	6490	5450	R 446
5187	69 50 34,8	11,87	0,315	+0,02	−9.8358	+9.3095	1.0744	9.9064	1986	155	ii.1785			
5188	104 33 27,0	11,86	0,394	+0,14	−9.3371	−9.1721	1.0740	9.9066	1987	....	ii.1788	....	....	W 840
5189	71 3 16,0	11,85	0,318	−0,09	−9.8277	+9.2828	1.0736	9.9068	1988	158	ii.1786			
5190	105 11 25,3	11,81	−0,397	+0,05	−9.3162	−9.1885	1.0724	9.9075	1985	157	ii.1787	....	....	M618,J369
5191	12 9 11,8	11,79	+0,230	0,00	−9.9456	+9.7594	1.0715	9.9079	2008	172	ii.1792	....	....	G 2268
5192	63 13 31,5	11,76	−0,298	−0,08	−9.8765	+9.4217	1.0703	9.9086	1991	162	ii.1790			
5193	149 54 1,7	11,76	0,584	+0,05	+9.6843	−9.7051	1.0702	9.9086	....	....	.....	6497	5458	R 447
5194	87 0 0,7	11,75	0,356	+0,15	−9.6774	+8.4867	1.0702	9.9086	1989	160	ii.1789			
5195	119 33 58,3	11,75	0,436	+0,21	+8.3503	−9.4611	1.0701	9.9087	....	....	.....	6509	5462	
5196	83 5 57,1	11,73	0,348	−0,06	−9.7229	+8.8467	1.0691	9.9092	1990	163	ii.1791	....	5473	M 619
5197	114 14 27,4	11,73	0,421	.....	−8.7966	−9.3803	1.0691	9.9092	....	....	.....	....	5464	
5198	117 34 51,1	11,71	0,431	.....	−7.9395	−9.4319	1.0685	9.9095	....	....	.....	6516		
5199	124 12 20,8	11,71	0,451	−0,09	+8.9895	−9.5160	1.0684	9.9096	....	161	iii.1949	6514	5468	
5200	143 55 28,0	11,70	0,540	.....	+9.6033	−9.6733	1.0680	9.9097	....	....	v.2856	....	5465	R 448
5201	143 56 12,0	11,69	0,541	.....	+9.6036	−9.6731	1.0677	9.9099	....	....	.....	....	....	R 449
5202	127 26 11,8	11,66	0,463	+0,38	+9.1758	−9.5485	1.0669	9.9103	....	....	.....	6521	5478	
5203	72 15 37,8	11,65	0,323	−0,03	−9.8204	+9.2481	1.0665	9.9105	1993	164	ii.1793			
5204	57 0 28,5	11,64	−0,281	0,00	−9.9071	+9.4998	1.0660	9.9108	1994	167	iii.1951			
5205	9 3 34,7	11,64	+0,447	.....	−9.9408	+9.7581	1.0658	9.9109	....	....	.....	....	....	G 2275
5206	91 19 47,6	11,62	−0,368	+0,05	−9.6179	−8.1287	1.0653	9.9112	1992	166	ii.1794			
5207	9 3 29,0	11,62	+0,447	.....	−9.9411	+9.7576	1.0653	9.9112	....	....	.....	....	....	G 2276
5208	93 35 14,9	11,60	−0,373	.....	−9.5822	−8.5586	1.0645	9.9116	....	....	.....	....	....	A 363
5209	142 44 36,8	11,59	0,536	+0,27	+9.5875	−9.6628	1.0641	9.9117	....	....	.....	6520	5484	R 450
5210	37 9 51,7	11,59	0,194	.....	−9.9602	+9.6633	1.0641	9.9117	....	....	.....	....	....	G 2270
5211	115 31 3,5	11,58	0,428	.....	−8.6010	−9.3957	1.0637	9.9120	....	....	.....	6530		
5212	114 44 35,8	11,57	0,426	.....	−8.7177	−9.3828	1.0633	9.9122	....	....	.....	6532		
5213	138 26 52,5	11,57	0,513	+0,08	+9.5100	−9.6351	1.0632	9.9122	....	....	.....	6525	5485	
5214	82 10 22,8	11,56	0,348	+0,04	−9.7334	+8.8950	1.0631	9.9123	1995	169	ii.1795			
5215	118 19 4,3	11,56	0,436	−0,38	+7.7482	−9.4369	1.0630	9.9123	....	....	v.2861	6531	5488	
5216	74 6 16,2	11,56	0,329	0,00	−9.8071	+9.1981	1.0628	9.9124	1996	170	ii.1796			
5217	154 40 42,7	11,55	0,642	−0,41	+9.7430	−9.7165	1.0625	9.9125	....	....	.....	6507	....	R 451
5218	144 35 40,6	11,54	0,550	+0,37	+9.6183	−9.6712	1.0622	9.9127	....	....	.....	6524	5486	
5219	74 0 8,5	11,54	0,329	−0,05	−9.8079	+9.2002	1.0622	9.9127	1997	171	iv.1030			
5220	113 22 13,6	+11,53	−0,423	.....	−8.8686	−9.3582	+1.0620	−9.9128	....	....	.....	6537		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5221*	Scorpii	7	15 39 38,06	+3,677	+0,0194	.....	−8.6417	−8.7950	+0.5655	+8.3274
5222	Lupi	6	39 46,85	4,163	+0,0354	−0,014	8.7331	8.8870	0.6194	+8.5821
5223	31 Serpentis ..... υ	6½	40 19,53	2,785	+0,0025	+0,003	8.5958	8.7519	0.4449	−7.9968
5224	Trianguli Aust. $\varkappa$	5	40 46,23	5,808	+0,1244	+0,028	9.0096	9.1675	0.7640	+8.9772
5225	Lupi	6	40 54,59	4,232	+0,0377	−0,014	8.7430	8.9015	0.6266	+8.6043
5226	30 Serpentis	6½	41 5,67	3,135	+0,0071	+0,001	8.5803	8.7395	0.4962	+7.3474
5227*	5 Lupi ..... χ	4	41 26,30	3,790	+0,0224	−0,001	8.6558	8.8164	0.5786	+8.3939
5228*	Scorpii	7	41 35,62	3,604	+0,0171	.....	8.6239	8.7852	0.5567	+8.2634
5229	Lupi	6	41 43,34	4,165	+0,0349	−0,033	8.7270	8.8887	0.6196	+8.5752
5230	32 Serpentis ..... μ	3½	41 47,94	3,128	+0,0070	0,000	8.5782	8.7402	0.4952	+7.2921
5231	Normæ	6	41 48,04	4,391	+0,0438	+0,005	8.7710	8.9330	0.6425	+8.6563
5232	1 Scorpii ..... b	5	41 58,08	3,591	+0,0167	+0,001	8.6209	8.7836	0.5552	+8.2515
5233	Trianguli Aust. β	3	41 59,10	5,229	+0,0858	−0,024	8.9194	9.0823	0.7185	+8.8692
5234	35 Serpentis ..... $\varkappa$	4	41 59,54	2,700	+0,0018	0,000	8.6004	8.7632	0.4313	−8.1043
5235	Trianguli Aust. ..	6½	42 12,74	5,003	+0,0729	−0,025	8.8813	9.0451	0.6992	+8.8201
5236	Coronæ Bor.	6	42 24,27	+2,469	+0,0005	+0,017	8.6325	8.7970	+0.3925	−8.3129
5237	Ursæ Minoris	6	42 36,53	−5,613	+0,6230	.....	9.4746	9.6400	−0.7492	−9.4711
5238	34 Serpentis ..... ω	6	42 43,59	+3,019	+0,0053	0,000	8.5755	8.7413	+0.4799	−7.2418
5239	Normæ	6	42 46,36	4,543	+0,0500	−0,002	8.7967	8.9627	0.6573	+8.6998
5240	Scorpii	6	42 58,21	3,694	+0,0194	+0,001	8.6343	8.8012	0.5675	+8.3257
5241	Trianguli Aust. ..	7	43 0,21	4,987	+0,0715	.....	8.8757	9.0427	0.6979	+8.8134
5242	Trianguli Aust. ..	6	43 0,22	4,964	+0,0703	+0,011	8.8717	9.0386	0.6958	+8.8080
5243*	Scorpii	7	43 1,87	3,611	+0,0172	.....	8.6208	8.7878	0.5577	+8.2636
5244	10 Coronæ Bor. .. δ	4½	43 18,29	2,518	+0,0006	−0,006	8.6218	8.7899	0.4011	−8.2718
5245	37 Serpentis ..... ε	3	43 20,57	2,975	+0,0047	+0,014	8.5749	8.7433	0.4735	−7.5093
5246	36 Serpentis ..... b	5½	43 27,12	3,122	+0,0069	−0,004	8.5735	8.7423	0.4944	+7.2355
5247	Trianguli Aust. ..	6½	43 31,45	4,990	+0,0714	+0,033	8.8742	9.0433	0.6981	+8.8119
5248*	Draconis	5½	44 2	1,437	+0,0076	.....	8.8219	8.9931	0.1576	−8.7397
5249*	Draconis	5½	44 24,07	0,887	+0,0198	+0,030	8.9143	9.0869	9.9477	−8.8644
5250	2 Scorpii ..... A	5	44 37,01	3,586	+0,0163	+0,001	8.6120	8.7856	0.5546	+8.2359
5251	45 Libræ ..... λ	4	44 38,13	3,469	+0,0135	+0,002	8.5959	8.7695	0.5401	+8.1240
5252	38 Serpentis ..... ϱ	4½	44 40,80	2,635	+0,0013	0,000	8.6007	8.7745	0.4207	−8.1635
5253*	Scorpii	6	44 56,84	3,567	+0,0158	+0,002	8.6083	8.7832	0.5524	+8.2190
5254	Scorpii	6	45 0,90	3,555	+0,0155	+0,001	8.6063	8.7815	0.5508	+8.2074
5255	Scorpii	6	45 12,19	3,588	+0,0163	.....	8.6107	8.7866	0.5549	+8.2360
5256	Trianguli Aust. λ	6	45 16,25	5,413	+0,0940	+0,019	8.9354	9.1116	0.7334	+8.8912
5257	46 Libræ ..... θ	4½	45 17,61	3,396	+0,0118	+0,014	8.5856	8.7619	0.5309	+8.0334
5258*	Scorpii	7	45 23,33	3,635	+0,0174	.....	8.6172	8.7939	0.5605	+8.2727
5259	11 Coronæ Bor. .. $\varkappa$	5	45 34,78	2,258	+0,0003	−0,002	8.6597	8.8372	0.3537	−8.4303
5260*	3 Scorpii	6	45 39,86	3,585	+0,0162	+0,003	8.6088	8.7866	0.5545	+8.2314
5261	Scorpii	6	46 6,92	3,731	+0,0200	−0,013	8.6308	8.8105	0.5719	+8.3380
5262	39 Serpentis	7	46 13,10	2,799	+0,0027	−0,007	8.5777	8.7578	0.4470	−7.9512
5263	Normæ	6	46 16,06	4,298	+0,0385	−0,002	8.7371	8.9175	0.6332	+8.6063
5264	47 Libræ	7	46 20,71	3,454	+0,0130	+0,001	8.5890	8.7696	0.5383	+8.1002
5265*	4 Scorpii	6	15 46 26,76	+3,611	+0,0167	+0,001	−8.6102	−8.7913	+0.5576	+8.2492

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5221	119 0 30,0	+11,53	−0,439	.....	+8.2381	−9.4453	+1.0618	−9.9129	....	....	.....	6535		
5222	134 56 13,5	11,52	0,497	+0,12	+9.4330	−9.6082	1.0614	9.9131	....	....	v.2862	6529	5489	
5223	75 25 12,3	11,48	0,333	+0,10	−9.7969	+9.1587	1.0599	9.9138	....	173	iv.1031			
5224	158 8 52,2	11,45	0,696	+0,01	+9.7786	−9.7241	1.0587	9.9144	....	....	.....	6518	5491	
5225	136 36 5,4	11,44	0,507	+0,28	+9.4751	−9.6174	1.0583	9.9146	....	....	.....	6539	5494	
5226	93 21 14,3	11,42	0,376	−0,05	−9.5856	−8.5228	1.0578	9.9148	1999	175	iii.1953			
5227	123 9 55,7	11,40	0,455	+0,06	+8.9385	−9.4927	1.0569	9.9153	1998	174	ii.1797	6548	5499	J 370
5228	115 50 42,1	11,39	0,433	.....	−8.5024	−9.3937	1.0565	9.9155	....	....	.....	6553		
5229	134 49 34,3	11,38	0,500	+0,01	+9.4357	−9.6021	1.0561	9.9156	....	....	.....	6547	5501	
5230	92 58 0,4	11,37	0,376	+0,01	−9.5920	−8.4676	1.0559	9.9157	2001	178	ii.1799	....	....	J 372
5231	140 9 40,2	11,37	0,527	+0,26	+9.5495	−9.6390	1.0559	9.9157	....	....	.....	6543	5500	
5232	115 17 26,8	11,36	0,432	+0,04	−8.6064	−9.3839	1.0554	9.9160	2000	177	ii.1800	6557	....	M 620, J 373
5233	152 57 36,8	11,36	0,629	+0,37	+9.7297	−9.7029	1.0554	9.9160	....	....	ii.1798	6533	5497	J 371, R 452
5234	71 23 28,4	11,36	0,325	+0,05	−9.8289	+9.2571	1.0554	9.9160	2002	182	ii.1801			
5235	150 17 29,5	11,34	0,602	+0,14	+9.7000	−9.6913	1.0548	9.9163	....	....	.....	6540	....	R 453
5236	61 22 46,9	11,33	−0,297	0,00	−9.8899	+9.4324	1.0542	9.9165	....	185	iii.1957			
5237	7 14 41,4	11,32	+0,676	.....	−9.9414	+9.7480	1.0537	9.9168	....	....	.....	....	....	G 2286
5238	87 20 31,1	11,31	−0,364	+0,07	−9.6738	+8.4174	1.0533	9.9169	2003	184	ii.1802			
5239	143 7 35,9	11,30	0,547	−0,19	+9.6025	−9.6541	1.0532	9.9170	....	....	.....	6551	....	R 454
5240	119 25 35,1	11,29	0,445	+0,15	+8.4487	−9.4418	1.0527	9.9173	....	....	v.2867	6562	5511	
5241	150 1 52,3	11,29	0,601	.....	+9.6984	−9.6880	1.0526	9.9173	....	....	.....	....	....	R 455
5242	149 43 23,9	11,29	0,598	+0,04	+9.6946	−9.6867	1.0526	9.9173	....	....	v.2866	6546	5507	
5243	116 3 54,4	11,29	0,435	.....	−8.4249	−9.3931	1.0525	9.9173	....	....	.....	6563		
5244	63 28 6,7	11,27	0,304	+0,03	−9.8796	+9.3995	1.0517	9.9177	2010	188	ii.1805			
5245	85 4 3,3	11,26	0,359	−0,05	−9.7020	+8.6838	1.0516	9.9177	2005	187	ii.1803			
5246	92 37 55,1	11,25	0,377	+0,02	−9.5972	−8.4111	1.0513	9.9179	2004	186	ii.1804			
5247	150 1 44,4	11,25	0,603	+0,05	+9.6993	−9.6866	1.0511	9.9180	....	....	.....	6550	....	R 456
5248	34 10	11,21	0,174	.....	−9.9683	+9.6652	1.0497	9.9186	....	....	.....	....	....	A
5249	26 56 7,9	11,19	0,107	+0,05	−9.9715	+9.6966	1.0487	9.9191	....	198	iii.1959	....	....	B.H 867
5250	114 52 29,1	11,17	0,434	+0,02	−8.6464	−9.3697	1.0480	9.9194	2006	189	ii.1806	6574	5521	M 621, J 374
5251	109 42 50,7	11,17	0,420	+0,02	−9.1082	−9.2738	1.0480	9.9194	2007	190	ii.1807	....	....	M 622, J 375
5252	68 34 1,4	11,17	0,319	−0,06	−9.8498	+9.3084	1.0479	9.9194	2013	194	ii.1809			
5253	114 4 50,8	11,15	0,433	0,00	−8.7559	−9.3556	1.0471	9.9198	2009	191	ii.1808	6576	....	Airy (G)
5254	113 31 32,1	11,14	0,431	0,00	−8.8195	−9.3459	1.0469	9.9199	....	192	ii.1810	6579	....	W 848
5255	114 57 37,5	11,13	0,435	.....	−8.6263	−9.3695	1.0464	9.9201	....	....	v.2873	....	5525	
5256	154 35 38,9	11,12	0,657	−0,02	+9.7524	−9.6998	1.0462	9.9202	....	....	.....	6559	5519	R 457
5257	106 17 4,0	11,12	0,412	−0,13	−9.2629	−9.1917	1.0461	9.9202	2011	193	ii.1811	....	....	M 623, J 376
5258	116 53 23,6	11,11	0,441	.....	−8.0212	−9.3990	1.0459	9.9203	....	....	.....	6581		
5259	53 52 25,6	11,10	0,274	+0,33	−9.9251	+9.5136	1.0453	9.9206	2018	200	ii.1813			
5260	114 47 46,9	11,09	0,436	+0,19	−8.6484	−9.3655	1.0451	9.9207	2012	195	ii.1812	6583	....	M 624
5261	120 38 17,6	11,06	0,454	+0,05	+8.7135	−9.4488	1.0438	9.9213	....	....	.....	6585	5530	
5262	76 19 47,1	11,05	0,341	+0,51	−9.7916	+9.1148	1.0435	9.9214	2016	202	iii.1962			
5263	137 42 55,6	11,05	0,523	+0,15	+9.5124	−9.6102	1.0433	9.9214	....	....	.....	6580	5529	
5264	108 56 4,7	11,04	0,420	0,00	−9.1449	−9.2521	1.0431	9.9215	2015	197	ii.1814	....	....	M 625
5265	115 49 12,1	+11,04	−0,440	+0,14	−8.4298	−9.3796	+1.0428	−9.9217	2014	196	ii.1815	6586		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5266*	Scorpii	7	15 46 37,81	+3,623	+0,0170	.....	−8.6114	−8.7932	+0.5590	+8.2578
5267	Scorpii	6	46 48,03	3,751	+0,0204	+0,001	8.6320	8.8145	0.5742	+8.3481
5268	Lupi ..... ξ	4½	47 18,95	3,812	+0,0220	+0,005	8.6410	8.8257	0.5811	+8.3831
5269	Lupi	6½	47 19,12	3,812	+0,0220	−0,023	8.6410	8.8257	0.5811	+8.3831
5270	40 Serpentis	6½	47 25,77	2,893	+0,0037	+0,005	8.5671	8.7522	0.4613	−7.7627
5271	1 Herculis ..... χ	6	47 29,39	2,031	+0,0011	+0,040	8.6965	8.8819	0.3077	−8.5292
5272	5 Scorpii ..... ρ	4	47 38,19	3,686	+0,0184	+0,003	8.6183	8.8043	0.5665	+8.3007
5273	Serpentis	6	47 57,93	+2,646	+0,0015	−0,007	8.5893	8.7766	+0.4225	−8.1387
5274	18 Ursæ Minoris	6	48 2,11	−3,594	+0,3287	.....	9.3400	9.5276	−0.5556	−9.3339
5275*	Scorpii	7	48 5,13	+3,647	+0,0174	.....	8.6107	8.7985	+0.5619	+8.2706
5276	Serpentis	7	48 8,47	3,104	+0,0064	.....	8.5598	8.7479	0.4920	+7.0368
5277	Normæ	6	48 19,46	4,592	+0,0497	−0,011	8.7855	8.9744	0.6620	+8.6912
5278	Scorpii	7	48 26,11	3,503	+0,0139	+0,010	8.5887	8.7780	0.5444	+8.1439
5279	Draconis	5	48 47,85	1,387	+0,0083	+0,014	8.8132	9.0040	0.1422	−8.7331
5280	Scorpii	7	48 54,95	3,550	+0,0150	+0,012	8.5936	8.7849	0.5502	+8.1870
5281*	Scorpii	6	49 14,12	3,492	+0,0136	.....	8.5849	8.7775	0.5431	+8.1301
5282	Lupi	6	49 17,99	4,060	+0,0292	−0,023	8.6805	8.8734	0.6085	+8.5001
5283*	Normæ	6	49 27,08	4,629	+0,0508	0,000	8.7880	8.9816	0.6654	+8.6968
5284	41 Serpentis ..... χ	3	49 31,67	+2,744	+0,0022	+0,025	8.5730	8.7669	+0.4384	−8.0175
5285*	16 Ursæ Minoris .. ζ	4	49 31,80	−2,345	+0,2015	+0,029	9.2468	9.4406	−0.3701	−9.2376
5286*	Scorpii	6½	49 35,89	+3,582	+0,0156	.....	8.5960	8.7901	+0.5541	+8.2121
5287*	2 Herculis	6	49 38,03	1,999	+0,0012	+0,011	8.6952	8.8895	0.3008	−8.5336
5288*	Trianguli Aust. ..	6	49 39,83	5,198	+0,0783	.....	8.8849	9.0793	0.7159	+8.8313
5289	6 Scorpii ..... π	3½	49 47,31	3,612	+0,0164	+0,003	8.5999	8.7948	0.5578	+8.2367
5290	48 Libræ	4½	49 47,71	3,348	+0,0106	+0,001	8.5675	8.7625	0.5248	+7.9464
5291*	Libræ	7	50 5,76	3,331	+0,0102	.....	8.5651	8.7613	0.5226	+7.9174
5292	Lupi ..... η	4½	50 11,69	3,951	+0,0256	−0,005	8.6568	8.8534	0.5967	+8.4458
5293	Serpentis ..... φ	6	50 19,70	2,771	+0,0025	+0,005	8.5679	8.7651	0.4427	−7.9765
5294*	Scorpii	7	50 19,78	3,635	+0,0169	.....	8.6016	8.7988	0.5605	+8.2523
5295	12 Coronæ Bor. .. λ	5½	50 20,00	2,177	+0,0006	+0,004	8.6589	8.8561	0.3378	−8.4519
5296*	Scorpii	7	50 20,47	3,713	+0,0188	.....	8.6140	8.8113	0.5697	+8.3083
5297*	Scorpii	7	50 21,49	3,701	+0,0185	.....	8.6120	8.8093	0.5683	+8.3002
5298*	4 Herculis	6	50 27,75	2,018	+0,0012	+0,007	8.6887	8.8864	0.3048	−8.5225
5299	Scorpii	6	50 29,45	3,742	+0,0196	+0,005	8.6184	8.8163	0.5731	+8.3269
5300	Trianguli Aust.....	neb.	51 0,62	5,035	+0,0690	−0,032	8.8531	9.0531	0.7020	+8.7909
5301	Normæ ..... ι'	5½	51 21,59	4,837	+0,0592	−0,028	8.8180	9.0195	0.6846	+8.7433
5302	13 Coronæ Bor. .. ε	4½	51 22,83	2,486	+0,0008	+0,001	8.6013	8.8029	0.3955	−8.2631
5303	7 Scorpii ..... δ	3	51 28,35	3,532	+0,0143	+0,003	8.5831	8.7851	0.5481	+8.1603
5304*	49 Libræ	5½	51 55,07	3,398	+0,0114	−0,041	8.5657	8.7696	0.5312	+8.0084
5305	Normæ ..... η	5½	52 12,85	4,367	+0,0392	+0,017	8.7288	8.9340	0.6402	+8.6053
5306	50 Libræ	6	52 42,28	3,230	+0,0082	+0,006	8.5502	8.7574	0.5092	+7.6928
5307	Draconis	5½	52 55,51	1,153	+0,0124	.....	8.8379	9.0460	0.0617	−8.7725
5308	Scorpii	6	53 21,94	3,694	+0,0178	+0,003	8.6009	8.8109	0.5675	+8.2825
5309	Serpentis	6	53 24,65	2,974	+0,0045	+0,001	8.5454	8.7556	0.4733	−7.4725
5310	Coronæ Bor.....	5½	15 53 25,50	+2,211	+0,0006	+0,013	−8.6418	−8.8521	+0.3445	−8.4220

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5266	116 17 38,0	+11,02	−0,441	.....	−8.2788	−9.3865	+1.0423	−9.9219	....	....	.....	6588		
5267	121 20 30,2	11,01	0,457	+0,04	+8.8069	−9.4557	1.0418	9.9221	....	199	iii.1963	6587	5533	
5268	123 31 16,4	10,97	0,465	+0,01	+9.0022	−9.4802	1.0403	9.9228	....	204	iii.1965	6592	5535	
5269	123 31 7,8	10,97	0,465	−0,02	+9.0017	−9.4802	1.0403	9.9228	....	205	iv.1032			
5270	80 58 26,7	10,97	0,353	+0,02	−9.7482	+8.9333	1.0400	9.9229	2019	208	iii.1966			
5271	47 7 36,6	10,96	0,248	−0,58	−9.9483	+9.5703	1.0398	9.9230	2021	211	iii.1967			
5272	118 46 16,5	10,95	0,450	+0,02	+8.3579	−9.4196	1.0394	9.9231	2017	207	ii.1816	6601	5538	M626, J377
5273	69 14 45,7	10,93	−0,324	0,00	−9.8470	+9.2857	1.0384	9.9236	....	212	ii.1817	....	....	B.F 2177
5274	9 33 4,5	10,92	+0,440	.....	−9.9538	+9.7300	1.0382	9.9236	....	....	.....	....	....	G 2292
5275	117 11 51,6	10,92	−0,446	.....	−7.4150	−9.3958	1.0381	9.9237	....	....	.....	6605		
5276	91 43 6,5	10,91	0,380	.....	−9.6113	−8.2127	1.0379	9.9238	....	....	.....	....	....	A 372
5277	143 35 1,5	10,90	0,562	−0,03	+9.6211	−9.6408	1.0374	9.9240	....	....	v.2876	6589	5542	
5278	111 2 39,2	10,89	0,429	+0,01	−9.0149	−9.2900	1.0371	9.9241	....	210	iii.1968			
5279	33 43 46,1	10,86	0,170	.....	−9.9732	+9.6537	1.0360	9.9246	....	....	.....	....	....	G 2288
5280	113 5 12,0	10,86	0,435	−0,07	−8.8420	−9.3269	1.0357	9.9247	....	213	iii.1969			
5281	110 32 30,1	10,83	0,429	.....	−9.0457	−9.2777	1.0347	9.9251	....	....	.....	....	....	B.F 2173
5282	131 18 36,0	10,83	0,498	+0,32	+9.3612	−9.5519	1.0345	9.9252	....	....	v.2877	6609	5548	
5283	144 8 39,8	10,82	0,568	−0,01	+9.6318	−9.6406	1.0341	9.9254	....	....	v.2878	6602	5547	
5284	73 50 40,4	10,81	−0,337	+1,24	−9.8137	+9.1761	1.0338	9.9255	2023	219	ii.1819			
5285	11 44 47,8	10,81	+0,288	0,00	−9.9605	+9.7224	1.0338	9.9255	2041	238	ii.1824			
5286	114 24 10,2	10,81	−0,440	.....	−8.6730	−9.3475	1.0336	9.9255	....	....	.....	6621		
5287	46 25 19,8	10,80	0,246	−0,06	−9.9519	+9.5697	1.0335	9.9256	2025	221	iii.1973	....	....	G 2289
5288	152 5 53,0	10,80	0,639	.....	+9.7337	−9.6776	1.0334	9.9256	....	....	.....	6593		
5289	115 40 40,1	10,79	0,444	+0,06	−8.4133	−9.3676	1.0331	9.9258	2020	216	ii.1818	6622	....	M627, J378
5290	103 50 29,9	10,79	0,412	−0,01	−9.3418	−9.1097	1.0330	9.9258	2022	218	ii.1820	....	....	M628, J379
5291	103 0 15,5	10,77	0,410	.....	−9.3674	−9.0822	1.0322	9.9261	....	....	.....	....	....	B.F 2178
5292	127 57 44,5	10,76	0,486	+0,11	+9.2480	−9.5186	1.0319	9.9263	....	217	ii.1821	6619	5554	J 380
5293	75 9 11,5	10,75	0,341	+0,05	−9.8033	+9.1379	1.0315	9.9264	....	222	ii.1822	....	....	B.F 2183
5294	116 34 23,6	10,75	0,448	.....	−8.0212	−9.3799	1.0315	9.9264	....	....	.....	6631		
5295	51 37 1,6	10,75	0,268	−0,09	−9.9367	+9.5223	1.0314	9.9264	2027	224	iii.1974			
5296	119 38 43,0	10,75	0,457	.....	+8.6064	−9.4235	1.0314	9.9264	....	....	.....	6627		
5297	119 11 14,3	10,75	0,456	.....	+8.5159	−9.4173	1.0314	9.9265	....	....	.....	6629		
5298	46 59 41,0	10,74	0,249	0,00	−9.9511	+9.5627	1.0311	9.9266	2028	226	iii.1975	....	....	G 2291
5299	120 44 0,8	10,74	0,461	−0,14	+8.7679	−9.4372	1.0310	9.9266	....	....	v.2881	6630	5556	
5300	150 4 12,8	10,70	0,621	−0,28	+9.7131	−9.6650	1.0294	9.9272	....	....	.....	6612	5557	
5301	147 20 48,5	10,68	0,597	+0,22	+9.6801	−9.6514	1.0284	9.9277	....	....	.....	6615	5559	R 459
5302	62 41 2,4	10,67	0,307	+0,03	−9.8888	+9.3878	1.0283	9.9277	2029	229	ii.1825			
5303	112 11 23,5	10,67	0,436	+0,01	−8.9138	−9.3029	1.0280	9.9278	2024	225	ii.1823	....	5560	M629, J381
5304	106 5 13,1	10,63	0,420	+0,36	−9.2603	−9.1671	1.0267	9.9283	2026	228	ii.1826			
5305	138 48 20,5	10,61	0,540	+0,04	+9.5474	−9.6001	1.0258	9.9287	....	....	.....	6632	5564	
5306	97 58 55,9	10,58	0,400	+0,01	−9.4939	−8.8647	1.0243	9.9293	2030	231	ii.1827			
5307	30 39 15,4	10,56	0,143	.....	−9.9790	+9.6560	1.0236	9.9295	....	....	.....	....	....	G 2295
5308	118 42 31,9	10,53	0,459	−0,22	+8.4518	−9.4016	1.0223	9.9300	....	....	.....	6647	5572	
5309	85 9 0,3	10,52	0,369	−0,04	−9.7028	+8.6470	1.0221	9.9301	2031	234	ii.1828	....	....	B.F 2190
5310	52 55 38,3	+10,52	−0,275	−0,02	−9.9342	+9.5001	+1.0221	−9.9301	....	239	iii.1981			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5311	Lupi	5½	15 53 26,46	+3,966	+0,0253	−0,001	−8.6483	−8.8586	+0.5983	+8.4393
5312*	Scorpii	7	54 9,97	3,634	+0,0163	.....	8.5889	8.8023	0.5604	+8.2350
5313	Draconis	5½	54 14,93	1,431	+0,0073	.....	8.7845	8.9983	0.1556	−8.6988
5314	Scorpii	6	54 17,35	3,613	+0,0158	−0,006	8.5854	8.7993	0.5579	+8.2185
5315	5 Herculis ..... τ	5½	54 30,05	2,695	+0,0019	−0,002	8.5628	8.7776	0.4305	−8.0583
5316	Bootis	6	54 49,07	1,694	+0,0038	.....	8.7342	8.9504	0.2289	−8.6204
5317*	Scorpii	7	54 54,63	3,587	+0,0151	.....	8.5795	8.7961	0.5547	+8.1940
5318	Scorpii	7	55 14,63	3,692	+0,0176	−0,007	8.5943	8.8123	0.5672	+8.2731
5319*	15 Coronæ Bor. .. ρ	5½	55 18,69	2,306	+0,0005	−0,013	8.6181	8.8364	0.3629	−8.3630
5320	Normæ	6	55 25,03	4,753	+0,0533	−0,012	8.7875	9.0063	0.6770	+8.7050
5321*	14 Coronæ Bor. .. ι	6	55 26,16	2,403	+0,0006	+0,002	8.6012	8.8200	0.3807	−8.3037
5322	44 Serpentis ..... π	4½	55 50,14	2,579	+0,0013	+0,002	8.5730	8.7935	0.4115	−8.1688
5323	Normæ ..... δ	5	55 54,22	4,207	+0,0323	−0,009	8.6848	8.9056	0.6240	+8.5324
5324	51 Libræ	4½	56 7,56	3,293	+0,0092	−0,002	8.5433	8.7651	0.5175	+7.8222
5325	43 Serpentis	6	56 20,91	2,962	+0,0044	0,000	8.5366	8.7593	0.4716	−7.5105
5326*	Scorpii	7	56 22,03	3,562	+0,0144	.....	8.5712	8.7940	0.5517	+8.1668
5327*	Normæ	6	56 28,36	4,345	+0,0369	−0,005	8.7088	8.9321	0.6380	+8.5800
5328	Trianguli Aust. ..	6	56 39,29	5,282	+0,0776	+0,012	8.8701	9.0942	0.7228	+8.8183
5329	8 Scorpii ..... β	2	56 43,29	3,475	+0,0125	+0,003	8.5588	8.7832	0.5409	+8.0800
5330	Scorpii	5½	56 43,73	3,475	+0,0125	−0,005	8.5588	8.7832	0.5409	+8.0799
5331	Lupi ..... θ	4½	56 45,39	3,917	+0,0232	+0,004	8.6276	8.8520	0.5929	+8.4008
5332	Normæ ..... ι^2	5½	57 0,71	4,876	+0,0579	−0,020	8.8026	9.0282	0.6881	+8.7287
5333	Scorpii	7	57 2,10	3,472	+0,0124	−0,004	8.5575	8.7832	0.5406	+8.0760
5334	Trianguli Aust. ..	6	57 6,44	5,280	+0,0772	.....	8.8681	9.0941	0.7227	+8.8161
5335*	Scorpii	6½	57 10,11	3,563	+0,0144	.....	8.5687	8.7949	0.5518	+8.1641
5336	Coronæ Bor.	6	57 48,76	2,201	+0,0007	+0,012	8.6279	8.8570	0.3427	−8.4079
5337	9 Scorpii ..... ω^1	4½	58 2,51	3,496	+0,0129	+0,006	8.5570	8.7870	0.5436	+8.0964
5338	6 Herculis ..... υ	5	58 7,48	1,858	+0,0024	+0,003	8.6908	8.9212	0.2691	−8.5511
5339	Apodis ..... δ^1	5½	58 8,43	8,638	+0,3440	−0,005	9.2221	9.4525	0.9364	+9.2130
5340	Apodis ..... δ^2	6	58 14,41	8,626	+0,3424	+0,067	9.2208	9.4517	0.9358	+9.2116
5341	Draconis	5½	58 16,03	1,522	+0,0058	.....	8.7524	8.9835	0.1824	−8.6567
5342	10 Scorpii ..... ω^2	4½	58 36,95	+3,501	+0,0129	+0,007	8.5557	8.7882	+0.5442	+8.0992
5343*	17 Ursæ Minoris	7	58 39,69	−1,559	+0,1276	+0,019	9.1437	9.3764	−0.1928	−9.1306
5344*	Serpentis	7½	58 42,77	+2,860	+0,0033	+0,001	8.5342	8.7672	+0.4564	−7.7885
5345*	Scorpii	7	58 52,58	3,586	+0,0146	.....	8.5660	8.7997	0.5546	+8.1763
5346	Scorpii	7	58 55,82	3,667	+0,0165	+0,017	8.5777	8.8116	0.5643	+8.2396
5347	Scorpii	5	58 59,55	3,632	+0,0156	+0,010	8.5722	8.8064	0.5601	+8.2128
5348*	13 Draconis ..... θ	3	59 5,25	1,151	+0,0119	−0,027	8.8136	9.0482	0.0609	−8.7465
5349*	Trianguli Aust. ..	6	59 7,93	5,200	+0,0718	.....	8.8473	9.0821	0.7160	+8.7913
5350	Trianguli Aust. ..	7	59 16,49	5,202	+0,0718	.....	8.8470	9.0824	0.7162	+8.7910
5351	11 Scorpii	6	59 17,05	+3,323	+0,0095	+0,002	8.5354	8.7708	+0.5216	+7.8651
5352	Ursæ Minoris	6	59 21,23	−6,909	+0,7179	.....	9.4640	9.6998	−0.8394	−9.4611
5353	Trianguli Aust. ..	7	59 34,79	+5,506	+0,0871	+0,072	8.8918	9.1285	+0.7408	+8.8476
5354*	Scorpii	6½	59 46,97	3,569	+0,0142	.....	8.5605	8.7981	0.5525	+8.1575
5355	Scorpii	6	15 59 59,69	+3,801	+0,0196	+0,005	−8.5957	−8.8342	+0.5799	+8.3228

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5311	128 10 41,2	+10,52	−0,492	+0,01	+9.2674	−9.5109	+1.0220	−9.9301	....	232	iii.1979	6644	5571	
5312	116 16 45,4	10,47	0,452	.....	−8.0569	−9.3637	1.0198	9.9310	....	....	.....	6656		
5313	34 49 33,8	10,46	0,178	.....	−9.9769	+9.6316	1.0195	9.9311	....	....	.....	....	....	G 2296
5314	115 26 34,7	10,46	0,450	+0,13	−8.4031	−9.3503	1.0194	9.9311	....	237	ii.1829	6659	....	M 630
5315	71 45 48,4	10,44	0,336	−0,17	−9.8321	+9.2120	1.0188	9.9314	2032	241	ii.1830			
5316	39 41 20,9	10,42	0,211	.....	−9.9707	+9.6018	1.0178	9.9317	....	....	.....	....	....	G 2297
5317	114 18 33,1	10,41	0,447	.....	−8.6395	−9.3298	1.0175	9.9318	....	....	.....	6663		
5318	118 30 31,8	10,39	0,461	−0,87	+8.4314	−9.3930	1.0164	9.9322	....	....	v.2891	6666	5579	
5319	56 14 27,5	10,38	0,288	+0,76	−9.9224	+9.4588	1.0162	9.9323	2037	246	iii.1982	....	....	A 377
5320	145 46 40,4	10,37	0,593	+0,12	+9.6661	−9.6311	1.0159	9.9324	....	....	v.2890	6650	5577	
5321	59 43 38,6	10,37	0,300	+0,07	−9.9065	+9.4161	1.0158	9.9324	2036	247	iii.1983			
5322	66 46 31,7	10,34	0,322	−0,08	−9.8673	+9.3082	1.0146	9.9329	2038	250	ii.1832			
5323	134 45 41,1	10,34	0,526	+0,15	+9.4703	−9.5598	1.0144	9.9330	....	242	ii.1831	6664	5581	J 382
5324	100 57 18,0	10,32	0,412	+0,02	−9.4203	−8.9903	1.0137	9.9332	2033	245	ii.1833	....	....	M631,J383
5325	84 35 47,9	10,30	0,371	0,00	−9.7100	+8.6846	1.0130	9.9335	2035	253	ii.1834			
5326	113 12 25,6	10,30	0,446	.....	−8.7839	−9.3062	1.0129	9.9335	....	....	.....	6680		
5327	138 0 33,8	10,29	0,544	−0,21	+9.5411	−9.5815	1.0126	9.9336	....	....	v.2893	6667	5585	
5328	152 33 32,7	10,28	0,661	+0,24	+9.7497	−9.6579	1.0120	9.9338	....	....	.....	6652	5583	
5329	109 23 25,3	10,28	0,435	+0,02	−9.0941	−9.2307	1.0118	9.9339	2034	251	ii.1836	....	....	M632,J385
5330	109 23 13,6	10,27	0,435	+0,09	−9.0945	−9.2306	1.0118	9.9339	....	252	iii.1984	....	5596	M633,P655
5331	126 23 20,5	10,27	0,491	+0,08	+9.2047	−9.4827	1.0117	9.9339	....	248	v.2895	6678	5591	P 653, J384
5332	147 31 22,9	10,25	0,611	−0,01	+9.6920	−9.6348	1.0109	9.9342	....	....	v.2896	6665	5590	
5333	109 16 2,4	10,25	0,435	+0,14	−9.1007	−9.2270	1.0108	9.9342	....	254	iii.1985			
5334	152 31 7,4	10,25	0,662	.....	+9.7500	−9.6563	1.0106	9.9343	....	....	.....	....	5589	
5335	113 11 52,6	10,24	0,447	.....	−8.7796	−9.3035	1.0104	9.9344	....	....	.....	6689		
5336	52 57 5,2	10,19	0,277	+0,03	−9.9372	+9.4860	1.0083	9.9351	....	266	iii.1989			
5337	110 15 27,2	10,18	0,439	−0,01	−9.0362	−9.2447	1.0076	9.9354	2039	259	ii.1837	....	....	M634, J386
5338	43 32 39,6	10,17	0,234	+0,07	−9.9655	+9.5653	1.0073	9.9355	2044	270	ii.1839			
5339	168 18 19,7	10,17	1,086	−0,09	+9.8786	−9.6959	1.0072	9.9355	....	....	.....	6623	5584	
5340	168 16 40,5	10,16	1,085	−0,04	+9.8785	−9.6956	1.0069	9.9356	....	....	.....	6628	5586	
5341	36 39 54,9	10,16	0,191	.....	−9.9780	+9.6089	1.0068	9.9356	....	....	.....	....	....	G 2302
5342	110 27 28,9	10,13	−0,441	+0,02	−9.0212	−9.2470	1.0057	9.9360	2040	263	ii.1838	....	....	M635,J387
5343	13 59 48,9	10,13	+0,196	+0,02	−9.9743	+9.6903	1.0056	9.9361	2063	288	iii.1993	....	....	G 2308
5344	79 39 17,4	10,13	−0,360	+0,03	−9.7649	+8.9574	1.0054	9.9361	2043	267	iii.1992			
5345	114 3 21,5	10,11	0,452	.....	−8.6464	−9.3129	1.0049	9.9363	....	....	.....	6700		
5346	117 19 22,2	10,11	0,462	0,00	+8.0334	−9.3643	1.0047	9.9364	....	264	iii.1991			
5347	115 55 13,3	10,10	0,458	+0,07	−8.1038	−9.3429	1.0045	9.9364	....	265	ii.1840	6702	5605	
5348	31 1 58,7	10,10	0,145	−0,32	−9.9841	+9.6349	1.0042	9.9365	2053	277	ii.1842			
5349	151 31 2,1	10,09	0,655	.....	+9.7423	−9.6458	1.0040	9.9366	....	....	.....	6683		
5350	151 31 41,9	10,08	0,656	.....	+9.7427	−9.6454	1.0036	9.9367	....	....	.....	....	....	R 460
5351	102 20 12,8	10,08	−0,419	+0,02	−9.3788	−9.0310	1.0035	9.9367	2042	268	ii.1841			
5352	6 36 28,4	10,08	+0,871	.....	−9.9585	+9.6982	1.0033	9.9368	....	....	.....	....	....	G 2315
5353	154 35 34,6	10,06	−0,695	+0,81	+9.7747	−9.6562	1.0026	9.9371	....	....	.....	6679	5603	R 461
5354	113 17 19,1	10,04	0,451	.....	−8.7513	−9.2967	1.0019	9.9373	....	....	.....	6710		
5355	122 14 42,4	+10,03	−0,480	+0,14	+8.9782	−9.4262	+1.0012	−9.9375	....	....	v.2904	6706	5613	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5356*	Scorpii	7	16 0 2,46	+3,757	+0,0184	.....	−8.5881	−8.8268	+0.5748	+8.2954
5357	Lupi	6	0 2,69	4,033	+0,0258	−0,001	8.6368	8.8755	0.6056	+8.4423
5358	Scorpii	6	0 16,48	3,827	+0,0201	+0,002	8.5991	8.8389	0.5829	+8.3369
5359	45 Serpentis	6	0 28,25	2,860	+0,0033	+0,002	8.5284	8.7690	0.4564	−7.7806
5360	Normæ	6	0 42,85	4,228	+0,0316	+0,010	8.6705	8.9122	0.6261	+8.5195
5361	46 Serpentis	6	0 56,93	2,856	+0,0032	−0,003	8.5271	8.7698	0.4557	−7.7871
5362	Trianguli Aust.....	7	1 2,31	6,368	+0,1380	.....	8.9982	9.2413	0.8040	+8.9728
5363	Lupi	6½	1 5,43	4,070	+0,0266	0,000	8.6396	8.8830	0.6096	+8.4541
5364*	Scorpii	7	1 7,37	3,650	+0,0158	.....	8.5674	8.8109	0.5622	+8.2169
5365*	Scorpii	7	1 9,37	3,592	+0,0145	.....	8.5589	8.8026	0.5553	+8.1712
5366	47 Serpentis	6	1 14,47	2,888	+0,0035	+0,006	8.5241	8.7681	0.4606	−7.7154
5367	7 Herculis ..... $\varkappa$	5½	1 18,35	2,705	+0,0020	−0,005	8.5390	8.7833	0.4322	−8.0160
5368*	Herculis	7	1 18,68	2,705	+0,0020	−0,006	8.5390	8.7834	0.4322	−8.0162
5369*	Serpentis	7	1 23,25	2,886	+0,0035	+0,001	8.5237	8.7684	0.4603	−7.7188
5370	Normæ..... ζ	5½	1 27,50	4,739	+0,0498	−0,027	8.7611	9.0060	0.6757	+8.6752
5371*	Normæ	6	1 28,18	4,897	+0,0564	.....	8.7881	9.0331	0.6899	+8.7142
5372	Normæ	6	1 32,05	4,629	+0,0454	−0,076	8.7412	8.9865	0.6655	+8.6451
5373	Normæ ..... $\varkappa$	5½	1 42,25	4,685	+0,0475	+0,021	8.7505	8.9966	0.6707	+8.6598
5374	Scorpii	6	1 43,48	3,716	+0,0172	−0,009	8.5754	8.8216	0.5700	+8.2612
5375	Trianguli Aust... δ	4½	1 49,66	5,383	+0,0789	−0,019	8.8642	9.1108	0.7310	+8.8152
5376	8 Herculis ..... q	6½	2 0,92	2,701	+0,0020	−0,001	8.5370	8.7845	0.4316	−8.0178
5377	Trianguli Aust.....	6	2 10,11	5,888	+0,1063	−0,037	8.9338	9.1819	0.7700	+8.8996
5378*	Scorpii	7	2 23,49	3,658	+0,0158	.....	8.5641	8.8132	0.5632	+8.2174
5379	Scorpii	7	2 42,23	3,232	+0,0078	+0,006	8.5180	8.7685	0.5095	+7.6563
5380*	12 Scorpii ..... c^1	6	3 0,44	3,691	+0,0164	+0,001	8.5670	8.8188	0.5672	+8.2389
5381*	13 Scorpii ..... c^2	5	3 4,63	3,679	+0,0161	+0,010	8.5648	8.8170	0.5657	+8.2297
5382	14 Scorpii ..... ν	4	3 17,15	3,474	+0,0119	+0,004	8.5364	8.7895	0.5408	+8.0505
5383	Scorpii	7	3 17,15	3,474	+0,0119	+0,008	8.5364	8.7895	0.5408	+8.0503
5384*	Normæ	6	3 28,12	4,905	+0,0557	−0,006	8.7814	9.0352	0.6907	+8.7075
5385	16 Coronæ Bor..... τ	5½	3 29,24	2,195	+0,0008	−0,003	8.6082	8.8621	0.3413	−8.3864
5386	15 Scorpii ..... ψ	5	3 48,35	3,270	+0,0083	+0,001	8.5164	8.7718	0.5145	+7.7417
5387	16 Scorpii	6	3 59,77	3,238	+0,0078	+0,001	8.5139	8.7701	0.5103	+7.6657
5388*	11 Herculis ..... φ	5	4 2,15	1,888	+0,0021	−0,019	8.6624	8.9188	0.2759	−8.5144
5389*	Scorpii	7	4 19,45	3,708	+0,0166	.....	8.5647	8.8224	0.5691	+8.2443
5390	Normæ ..... θ	5½	4 23,26	4,325	+0,0336	0,000	8.6742	8.9322	0.6360	+8.5383
5391*	Scorpii	7	4 26,55	3,737	+0,0173	.....	8.5689	8.8272	0.5725	+8.2633
5392	Herculis	6	4 41,33	2,711	+0,0021	0,000	8.5267	8.7860	0.4332	−7.9941
5393*	Scorpii	6½	4 43,97	3,782	+0,0183	.....	8.5751	8.8346	0.5777	+8.2902
5394*	Scorpii	7	4 44,80	3,593	+0,0141	.....	8.5463	8.8059	0.5555	+8.1562
5395	Scorpii	6	4 51,94	3,521	+0,0126	−0,002	8.5364	8.7965	0.5466	+8.0910
5396	Apodis	7	4 53,32	6,573	+0,1464	−0,079	9.0050	9.2652	0.8178	+8.9819
5397	Normæ	6	4 59,11	4,145	+0,0279	−0,012	8.6386	8.8992	0.6175	+8.4684
5398	Normæ	6	5 0,37	4,651	+0,0448	−0,014	8.7309	8.9917	0.6675	+8.6357
5399	10 Herculis	6	5 14,96	2,551	+0,0012	−0,001	8.5441	8.8059	0.4067	−8.1514
5400*	14 Herculis	6	16 5 32,46	+1,928	+0,0019	+0,014	−8.6489	−8.9120	+0.2852	−8.4924

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5356	120 38 44,8	+10,03	−0,475	.....	+8.8332	−9.4062	+1.0011	−9.9376	....	....	.....	6709		
5357	129 43 36,0	10,02	0,509	+0,11	+9.3420	−9.5044	1.0010	9.9376	....	....	v.2905	6703	5612	
5358	123 8 30,8	10,01	0,484	+0,06	+9.0430	−9.4358	1.0003	9.9378	....	271	v.2907	6711	5614	
5359	79 42 15,1	9,99	0,362	+0,06	−9.7649	+8.9496	0.9996	9.9380	2045	276	ii.1843			
5360	134 56 0,6	9,97	0,535	+0,20	+9.4852	−9.5456	0.9988	9.9383	....	272	iii.1995	6707	5617	
5361	79 30 55,8	9,96	0,362	+0,05	−9.7669	+8.9558	0.9981	9.9386	2046	279	ii.1844			
5362	160 36 7,6	9,95	0,806	.....	+9.8292	−9.6702	0.9978	9.9387	....	....	.....	6682	....	R 462
5363	130 43 0,3	9,95	0,515	+0,13	+9.3759	−9.5098	0.9976	9.9387	....	274	v.2909	6715	5621	
5364	116 29 59,5	9,94	0,462	.....	−6.9542	−9.3448	0.9975	9.9388	....	....	.....	6719		
5365	114 10 33,9	9,94	0,455	.....	−8.6042	−9.3075	0.9974	9.9388	....	....	.....	6720		
5366	81 3 47,2	9,93	0,366	+0,03	−9.7511	+8.8862	0.9971	9.9389	2047	282	ii.1846			
5367	72 32 57,2	9,93	0,343	0,00	−9.8291	+9.1716	0.9969	9.9390	2049	284	ii.1847			
5368	72 32 29,0	9,93	0,343	+0,07	−9.8291	+9.1718	0.9969	9.9390	2050	285	iv.1047	....	....	A 380
5369	80 59 3,0	9,92	0,366	+0,08	−9.7519	+8.8895	0.9966	9.9390	2048	283	iii.1998	....	....	B.F 2208
5370	145 8 43,0	9,92	0,601	+0,14	+9.6677	−9.6083	0.9964	9.9391	....	....	.....	6705	5623	
5371	147 31 25,4	9,92	0,621	.....	+9.6992	−9.6203	0.9963	9.9391	....	....	v.2911	....	5622	
5372	143 16 41,0	9,91	0,587	+0,17	+9.6408	−9.5978	0.9961	9.9392	....	....	.....	6713	5625	
5373	144 14 9,6	9,90	0,594	+0,05	+9.6552	−9.6026	0.9956	9.9394	....	....	v.2913	6712	5627	
5374	119 0 50,5	9,90	0,471	+0,05	+8.6274	−9.3790	0.9955	9.9394	....	280	iii.1999	6725	5629	W 864
5375	153 17 41,7	9,89	0,683	−0,01	+9.7651	−9.6439	0.9951	9.9395	....	....	ii.1845	6701	5624	J 389, R 463
5376	72 23 32,0	9,87	0,343	−0,01	−9.8305	+9.1730	0.9945	9.9397	2054	286	iii.2000			
5377	157 33 5,8	9,86	0,748	+0,20	+9.8056	−9.6576	0.9940	9.9399	....	....	.....	6698	5628	
5378	116 44 56,5	9,85	0,465	.....	+7.6628	−9.3443	0.9933	9.9401	....	....	.....	6728		
5379	97 54 7,0	9,82	0,411	+0,01	−9.4912	−8.8282	0.9922	9.9405	....	1	iii.2001			
5380	118 1 17,1	9,80	0,470	+0,04	+8.4281	−9.3609	0.9912	9.9408	2051	287	ii.1849	6729	5636	M 636
5381	117 31 53,5	9,79	0,468	+0,01	+8.2695	−9.3536	0.9909	9.9408	2052	2	ii.1850	6730	....	M637, J390
5382	109 3 54,1	9,78	0,442	−0,03	−9.0969	−9.2021	0.9902	9.9411	2055	4	ii.1851	....	....	M639, J391
5383	109 3 21,4	9,78	0,442	+0,11	−9.0973	−9.2019	0.9902	9.9411	....	3	iii.2002	....	....	M 638
5384	147 31 24,5	9,76	0,625	+0,15	+9.7023	−9.6135	0.9896	9.9413	....	....	v.2916	6722	5634	
5385	53 7 29,0	9,76	0,280	−0,36	−9.9402	+9.4655	0.9895	9.9413	2058	9	iii.2003			
5386	99 40 16,8	9,74	0,417	+0,04	−9.4486	−8.9115	0.9885	9.9416	2056	6	ii.1852	....	....	J 392
5387	98 9 17,2	9,72	0,413	−0,02	−9.4850	−8.8374	0.9878	9.9418	2057	8	ii.1853			
5388	44 40 10,8	9,72	0,241	−0,02	−9.9672	+9.5374	0.9877	9.9419	2061	13	iii.2004			
5389	118 33 49,1	9,70	0,473	.....	+8.5729	−9.3640	0.9867	9.9422	....	....	.....	6740		
5390	136 59 4,7	9,69	0,552	+0,33	+9.5367	−9.5483	0.9865	9.9422	....	....	v.2917	6734	5637	
5391	119 39 4,9	9,69	0,477	.....	+8.7490	−9.3784	0.9863	9.9423	....	....	.....	6741		
5392	72 56 28,6	9,67	0,346	−0,06	−9.8273	+9.1506	0.9854	9.9425	2060	12	ii.1855	....	....	B.F 2218
5393	121 15 45,0	9,67	0,483	.....	+8.9232	−9.3982	0.9853	9.9426	....	....	.....	6747		
5394	114 1 58,2	9,67	0,459	.....	−8.5966	−9.2929	0.9852	9.9426	....	....	.....	6751		
5395	111 0 46,6	9,66	0,450	+0,05	−8.9581	−9.2372	0.9848	9.9427	....	10	ii.1854	....	....	W 867
5396	161 30 0,2	9,66	0,840	+0,61	+9.8411	−9.6595	0.9847	9.9428	....	....	.....	6714	....	R 464
5397	132 30 52,5	9,65	0,530	+0,04	+9.4355	−9.5120	0.9844	9.9429	....	....	v.2921	6739	5646	
5398	143 25 38,2	9,65	0,595	−0,11	+9.6489	−9.5869	0.9843	9.9429	....	....	v.2920	6735	5643	
5399	66 6 49,0	9,63	0,326	+0,02	−9.8762	+9.2886	0.9835	9.9431	2064	18	ii.1856			
5400	45 46 40,7	+ 9,61	−0,247	+0,35	−9.9653	+9.5238	+0.9825	−9.9434	2068	22	iii.2007			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5401	17 Scorpii ..... χ	6	16 5 33,51	+3,308	+0,0088	+0,004	−8.5128	−8.7761	+0.5196	+7.8106
5402	Normæ	6	5 44,37	4,612	+0,0431	−0,019	8.7211	8.9851	0.6639	+8.6217
5403	Scorpii	7	5 48,46	3,621	+0,0146	0,000	8.5463	8.8107	0.5588	+8.1737
5404	Normæ ..... γ^1	5½	5 48,57	4,455	+0,0374	−0,005	8.6924	8.9568	0.6488	+8.5746
5405	9 Herculis	6	5 50,41	2,959	+0,0042	+0,008	8.5051	8.7696	0.4712	−7.4793
5406	Draconis	5	5 56,15	0,133	+0,0381	−0,006	8.9331	9.1981	9.1222	−8.9009
5407	Aræ	7	5 58,25	4,952	+0,0562	.....	8.7786	9.0437	0.6947	+8.7071
5408*	Scorpii	6½	6 0,40	3,456	+0,0113	.....	8.5247	8.7900	0.5385	+8.0180
5409*	Scorpii	7	6 9,02	3,665	+0,0154	.....	8.5515	8.8174	0.5640	+8.2057
5410	49 Serpentis	7	6 19,11	2,779	+0,0026	+0,014	8.5144	8.7811	0.4439	−7.8960
5411	Coronæ Bor.....	6	6 19,37	2,190	+0,0009	+0,015	8.5980	8.8647	0.3405	−8.3756
5412*	Octantis	6½	6 19,67	20,124	+2,5011	.....	9.6641	9.9306	1.3037	+9.6631
5413	Trianguli Aust.....	7	6 24,59	5,511	+0,0817	.....	8.8635	9.1306	0.7412	+8.8182
5414	1 Ophiuchi ..... δ	3	6 29,38	3,139	+0,0063	−0,001	8.5016	8.7690	0.4967	+7.2622
5415*	Draconis	6	6 32	1,172	+0,0109	.....	8.7791	9.0468	0.0689	−8.7086
5416*	Scorpii	7	6 37,69	3,756	+0,0174	.....	8.5639	8.8320	0.5748	+8.2659
5417	Herculis	6	6 49,75	1,982	+0,0017	.....	8.6339	8.9029	0.2971	−8.4657
5418*	Scorpii	7	7 26,14	3,593	+0,0138	.....	8.5365	8.8082	0.5555	+8.1442
5419	12 Herculis	7	7 26,65	2,900	+0,0036	−0,001	8.5020	8.7738	0.4624	−7.6584
5420	18 Scorpii	5	7 28,31	3,236	+0,0076	+0,014	8.5016	8.7735	0.5100	+7.6434
5421*	Scorpii	7	7 29,45	3,734	+0,0167	.....	8.5570	8.8290	0.5722	+8.2474
5422	13 Herculis	7	7 57,05	2,822	+0,0029	0,000	8.5051	8.7792	0.4506	−7.8185
5423	Scorpii	7	8 13,37	3,494	+0,0118	−0,009	8.5210	8.7963	0.5434	+8.0493
5424*	Normæ	6	8 27,08	4,744	+0,0466	−0,032	8.7328	9.0092	0.6761	+8.6450
5425	Normæ ..... γ^2	5	8 38,46	4,469	+0,0369	−0,014	8.6832	8.9605	0.6502	+8.5661
5426	16 Herculis	6½	8 49,95	2,659	+0,0018	−0,002	8.5174	8.7955	0.4247	−8.0342
5427	Normæ ..... λ	5½	8 51,75	4,147	+0,0269	−0,013	8.6234	8.9017	0.6177	+8.4515
5428	15 Herculis	7	8 55,96	2,823	+0,0029	−0,005	8.5015	8.7801	0.4508	−7.8122
5429	Scorpii	5½	9 0,37	3,706	+0,0159	−0,003	8.5469	8.8259	0.5689	+8.2219
5430*	Scorpii	7	9 1,12	3,691	+0,0156	.....	8.5446	8.8236	0.5671	+8.2114
5431*	Ophiuchi	6	9 2,14	3,145	+0,0063	.....	8.4927	8.7717	0.4976	+7.2878
5432	17 Coronæ Bor.... σ	6	9 3,69	2,265	+0,0008	−0,023	8.5744	8.8536	0.3551	−8.3247
5433*	Scorpii	7	9 51,20	3,699	+0,0156	.....	8.5426	8.8254	0.5681	+8.2130
5434*	17 Herculis	6	9 53,05	2,555	+0,0013	+0,002	8.5263	8.8093	0.4074	−8.1270
5435	Scorpii	6	10 3,95	3,770	+0,0172	+0,005	8.5529	8.8368	0.5764	+8.2589
5436	Ophiuchi	7	10 21,09	3,499	+0,0117	+0,007	8.5136	8.7988	0.5439	+8.0445
5437	2 Ophiuchi ..... ε	3	10 23,33	3,160	+0,0064	+0,008	8.4881	8.7735	0.4997	+7.3653
5438	Normæ	6	10 26,33	4,381	+0,0334	−0,011	8.6597	8.9453	0.6416	+8.5295
5439	Apodis ..... γ	5	10 36,26	8,935	+0,3318	−0,153	9.1884	9.4747	0.9511	+9.1797
5440	18 Coronæ Bor..... υ	6	10 44,35	2,398	+0,0009	+0,005	8.5460	8.8330	0.3798	−8.2387
5441*	Scorpii	7	11 11,26	3,734	+0,0162	.....	8.5427	8.8318	0.5721	+8.2302
5442	Normæ	6	11 16,33	4,449	+0,0353	−0,022	8.6685	8.9580	0.6483	+8.5477
5443	Aræ	7	11 26,73	4,993	+0,0548	.....	8.7617	9.0520	0.6983	+8.6913
5444	18 Herculis	6½	11 29,63	2,541	+0,0013	+0,003	8.5220	8.8125	0.4051	−8.1309
5445	19 Scorpii	5½	16 11 37,11	+3,596	+0,0133	0,000	−8.5210	−8.8120	+0.5558	+8.1269

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5401	101 27 0,0	+ 9,60	−0,424	−0,01	−9.3997	−8.9780	+0.9824	−9.9434	2059	15	ii.1857			
5402	142 42 14,2	9,59	0,591	+0,18	+9.6392	−9.5802	0.9818	9.9436	....	....	.....	6738	5652	
5403	115 5 34,1	9,58	0,464	+0,13	−8.3118	−9.3068	0.9816	9.9437	....	14	iii.2006	6755	....	M 640
5404	139 41 19,1	9,58	0,571	+0,24	+9.5901	−9.5616	0.9816	9.9437	....	....	.....	6746	5655	J 395
5405	84 35 31,9	9,58	0,379	+0,03	−9.7116	+8.6535	0.9814	9.9437	2062	19	ii.1858			
5406	21 47 39,1	9,57	0,017	−0,07	−9.9899	+9.6467	0.9811	9.9438	....	....	.....	....	....	G2320,P664
5407	148 0 35,6	9,57	0,635	.....	+9.7121	−9.6072	0.9810	9.9439	....	....	.....	....	5654	R 465
5408	108 8 37,1	9,57	0,443	.....	−9.1421	−9.1720	0.9809	9.9439	....	....	.....	....	....	B.F 2217
5409	116 48 54,4	9,56	0,470	.....	+7.9685	−9.3324	0.9804	9.9441	....	....	.....	6756		
5410	76 4 6,0	9,55	0,356	+0,40	−9.8013	+9.0591	0.9798	9.9442	2066	23	iii.2008			
5411	53 11 3,8	9,54	0,281	+0,03	−9.9417	+9.4551	0.9798	9.9442	....	25	iii.2009			
5412	176 3 20,8	9,54	2,581	.....	+9.9281	−9.6766	0.9797	9.9442	....	....	.....	....	5607	J 388
5413	154 16 9,7	9,54	0,707	.....	+9.7811	−9.6319	0.9795	9.9443	....	....	.....	....	....	R 466
5414	93 18 13,8	9,53	0,403	+0,11	−9.5826	−8.4376	0.9792	9.9444	2065	21	ii.1859	....	....	J 393
5415	31 47	9,53	0,150	.....	−9.9897	+9.6062	0.9790	9.9445	....	....	.....	....	....	A
5416	120 14 5,8	9,52	0,482	.....	+8.8344	−9.3785	0.9787	9.9445	....	....	.....	6758		
5417	47 14 21,1	9,51	0,255	.....	−9.9621	+9.5076	0.9780	9.9448	....	....	.....	....	....	G 2318
5418	113 54 20,1	9,46	0,462	.....	−8.5955	−9.2813	0.9758	9.9454	....	....	.....	6767		
5419	81 45 30,4	9,46	0,373	−0,02	−9.7450	+8.8300	0.9758	9.9454	2069	27	iii.2010			
5420	97 58 3,9	9,46	0,416	+0,50	−9.4880	−8.8153	0.9757	9.9454	2067	26	ii.1860	....	....	J 394
5421	119 21 18,6	9,46	0,480	.....	+8.7332	−9.3638	0.9756	9.9454	....	....	.....	6766		
5422	78 7 31,5	9,42	0,363	+0,11	−9.7828	+8.9852	0.9740	9.9459	....	30	iii.2011			
5423	109 43 40,5	9,40	0,450	+0,16	−9.0426	−9.1992	0.9730	9.9462	....	28	ii.1861			
5424	144 46 5,3	9,38	0,612	+0,22	+9.6737	−9.5821	0.9722	9.9464	....	....	.....	6761	5673	R 467
5425	139 46 55,2	9,37	0,576	+0,15	+9.5966	−9.5522	0.9715	9.9466	....	....	ii.1862	6764	5675	J 396
5426	70 48 37,7	9,35	0,343	+0,09	−9.8455	+9.1854	0.9709	9.9468	2072	34	iii.2014			
5427	132 18 4,8	9,35	0,535	+0,13	+9.4384	−9.4966	0.9707	9.9468	....	29	iii.2013	6772	5680	
5428	78 11 52,9	9,34	0,364	−0,07	−9.7823	+8.9790	0.9705	9.9469	2071	32	iii.2015			
5429	118 14 8,4	9,34	0,478	+0,19	+8.5611	−9.3430	0.9702	9.9469	....	31	v.2931	6777	5681	B.F 2227
5430	117 39 49,6	9,34	0,476	.....	+8.4233	−9.3347	0.9702	9.9470	....	....	.....	6778		
5431	93 34 36,9	9,34	0,406	−0,04	−9.5774	−8.4630	0.9701	9.9470	2070	....	ii.1865	....	....	W 873
5432	55 45 30,2	9,33	0,292	+0,04	−9.9328	+9.4181	0.9700	9.9470	2074	38	iii.2016			
5433	117 54 56,2	9,27	0,478	.....	+8.4997	−9.3353	0.9672	9.9478	....	....	.....	6786		
5434	66 30 1,4	9,27	0,330	−0,02	−9.8760	+9.2655	0.9671	9.9478	2075	42	ii.1867	....	....	W 875
5435	120 32 19,3	9,26	0,488	+0,09	+8.8865	−9.3701	0.9664	9.9480	....	36	ii.1866	6788	5685	W 874
5436	109 50 54,7	9,23	0,453	+0,12	−9.0286	−9.1940	0.9654	9.9483	....	39	ii.1868	....	....	W 876
5437	94 19 20,9	9,23	0,409	−0,04	−9.5632	−8.5402	0.9652	9.9483	2073	41	ii.1869	....	....	J 398
5438	137 49 14,1	9,23	0,567	−0,07	+9.5642	−9.5326	0.9650	9.9484	....	....	v.2934	6783	5687	
5439	168 33 7,8	9,21	1,157	+1,13	+9.8945	−9.6535	0.9644	9.9485	....	....	ii.1863	6727	5678	J 397, R468
5440	60 28 34,5	9,20	0,311	+0,05	−9.9114	+9.3544	0.9639	9.9487	2078	47	ii.1870			
5441	119 8 29,7	9,17	0,484	.....	+8.7332	−9.3476	0.9623	9.9491	....	....	.....	6794		
5442	139 12 30,3	9,16	0,577	+0,17	+9.5911	−9.5389	0.9620	9.9492	....	....	v.2935	6790	5692	
5443	148 14 29,2	9,15	0,648	.....	+9.7229	−9.5887	0.9613	9.9493	....	....	.....	....	....	R 469
5444	66 1 23,3	9,14	0,330	−0,07	−9.8798	+9.2678	0.9611	9.9494	2079	51	iii.2019			
5445	113 48 6,0	+ 9,13	−0,467	+0,02	−8.5775	−9.2644	+0.9607	−9.9495	2076	46	ii.1871	6798	....	M 642

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5446	Normæ	6	16 11 56,34	+4,203	+0,0276	+0,020	−8.6210	−8.9135	+0.6235	+8.4592
5447	20 Scorpii ..... σ	4	12 4,78	3,632	+0,0139	+0,002	8.5242	8.8174	0.5602	+8.1538
5448	19 Herculis	7	12 10,80	2,483	+0,0011	+0,002	8.5276	8.8213	0.3949	−8.1736
5449*	Ophiuchi	7	12 20,47	3,585	+0,0130	.....	8.5168	8.8112	0.5545	+8.1148
5450*	Trianguli Aust... ζ	6	12 23,17	6,300	+0,1188	−0,004	8.9401	9.2347	0.7994	+8.9123
5451	Scorpii	6	13 9,77	3,973	+0,0213	−0,015	8.5746	8.8729	0.5991	+8.3547
5452*	Herculis	6	13 33,51	2,600	+0,0015	.....	8.5064	8.8066	0.4149	−8.0705
5453	Draconis	7	13 45,51	0,287	+0,0305	+0,041	8.8780	9.1792	9.4579	−8.8413
5454*	Trianguli Aust... ι	5½	14 6,29	5,493	+0,0746	−0,010	8.8267	9.1295	0.7398	+8.7793
5455*	Scorpii	neb.	14 26,79	3,659	+0,0142	.....	8.5187	8.8231	0.5634	+8.1630
5456	50 Serpentis ..... σ	5	14 28,83	3,042	+0,0049	−0,007	8.4717	8.7763	0.4831	−8.8555
5457	Scorpii	6½	14 32,08	3,980	+0,0212	−0,011	8.5703	8.8751	0.5999	+8.3518
5458	Aræ	6½	14 38,32	4,971	+0,0522	.....	8.7440	9.0493	0.6964	+8.6713
5459	Draconis	5	14 45,27	0,983	+0,0134	.....	8.7734	9.0792	9.9927	−8.7115
5460	Herculis	6	14 47,35	2,062	+0,0013	.....	8.5866	8.8926	0.3144	−8.3953
5461	Herculis	6	14 59,97	+1,672	+0,0038	.....	8.6562	8.9632	+0.2231	−8.5366
5462*	19 Ursæ Minoris	5	15 8,19	−1,832	+0,1234	−0,031	9.0932	9.4009	−0.2630	−9.0806
5463*	22 Herculis ..... τ	4	15 14,05	+1,799	+0,0027	0,000	8.6323	8.9404	+0.2550	−8.4941
5464	Scorpii	6	15 15,15	3,745	+0,0158	+0,008	8.5283	8.8365	0.5735	+8.2186
5465	Scorpii	7	15 18,10	3,677	+0,0145	+0,019	8.5178	8.8263	0.5655	+8.1718
5466	20 Herculis ..... γ	3½	15 18,29	2,646	+0,0018	−0,001	8.4941	8.8026	0.4225	−8.0178
5467	4 Ophiuchi ..... ψ	5	15 19,94	3,500	+0,0112	+0,001	8.4945	8.8031	0.5440	+8.0218
5468*	Scorpii	6½	15 34,59	3,794	+0,0168	.....	8.5347	8.8445	0.5791	+8.2475
5469	Aræ	6	15 37,91	5,011	+0,0531	−0,009	8.7460	9.0561	0.6999	+8.6756
5470	Normæ	neb.	15 50,76	4,090	+0,0236	+0,458	8.5842	8.8953	0.6118	+8.3952
5471*	Scorpii	7	16 9,34	3,803	+0,0169	.....	8.5337	8.8462	0.5801	+8.2498
5472	Normæ ..... ε	5½	16 12,13	4,369	+0,0312	+0,001	8.6329	8.9457	0.6404	+8.4985
5473*	19 Coronæ Bor. .. ξ	5	16 15,27	2,341	+0,0010	−0,001	8.5328	8.8459	0.3694	−8.2477
5474	Scorpii	7½	16 15,47	+3,738	+0,0155	.....	8.5231	8.8362	+0.5727	+8.2094
5475*	20 Ursæ Minoris	6	16 21,25	−1,606	+0,1089	−0,013	9.0681	9.3817	−0.2059	−9.0542
5476*	Scorpii	7	16 22,01	+3,753	+0,0158	.....	8.5249	8.8385	+0.5744	+8.2182
5477	5 Ophiuchi ..... ρ	5	16 35,90	3,584	+0,0125	+0,002	8.4997	8.8144	0.5543	+8.0933
5478	Ophiuchi	7	16 35,92	3,583	+0,0125	−0,003	8.4996	8.8143	0.5542	+8.0924
5479	20 Coronæ Bor..... ν¹	5	16 42,79	2,254	+0,0009	+0,007	8.5452	8.8605	0.3530	−8.2945
5480	21 Coronæ Bor..... ν²	5	16 50,37	2,257	+0,0009	+0,012	8.5442	8.8601	0.3535	−8.2924
5481	21 Herculis ..... o	6½	16 52,58	2,916	+0,0036	+0,001	8.4659	8.7819	0.4649	−7.5699
5482	Aræ	6	16 57,13	+4,953	+0,0502	.....	8.7306	9.0470	+0.6949	+8.6561
5483	Ursæ Minoris	6	17 3,90	−1,064	+0,0804	.....	9.0150	9.3319	−0.0270	−8.9973
5484	23 Herculis	6	17 10,93	+2,298	+0,0010	+0,004	8.5360	8.8535	+0.3613	−8.2684
5485	Aræ	6½	17 15,61	4,956	+0,0503	−0,044	8.7296	9.0475	0.6951	+8.6552
5486	Aræ	6	17 30,28	5,272	+0,0625	−0,030	8.7783	9.0974	0.7220	+8.7214
5487	Scorpii	7	18 8,65	3,738	+0,0152	+0,021	8.5153	8.8375	0.5727	+8.2000
5488	Scorpii	6	18 14,80	3,975	+0,0203	−0,015	8.5536	8.8763	0.5993	+8.3315
5489	7 Ophiuchi ..... χ	5	18 20,23	3,466	+0,0103	+0,002	8.4786	8.8018	0.5398	+7.9712
5490*	24 Herculis ..... ω	5	16 18 29,44	+2,761	+0,0024	−0,009	−8.4698	−8.7937	+0.4410	−7.8649

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5446	133 32 54,8	+9,11	−0,546	−0,09	+9.4761	−9.4955	+0.9595	−9.9498	....	....	v.2937	6793	5699	
5447	115 13 40,8	9,10	0,472	0,00	−8.1072	−9.2864	0.9590	9.9500	2077	50	ii.1872	6799	5703	M643,J399
5448	63 44 0,6	9,09	0,323	−0,06	−9.8942	+9.3023	0.9586	9.9501	2080	54	iii.2020			
5449	113 20 49,3	9,08	0,466	.....	−8.6532	−9.2538	0.9580	9.9502	....	....	.....	6801		
5450	159 44 17,0	9,08	0,819	+0,06	+9.8365	−9.6279	0.9578	9.9503	....	....	.....	6771	5695	R 470
5451	127 3 49,0	9,01	0,518	+0,20	+9.2835	−9.4328	0.9549	9.9510	....	....	v.2940	6803	5705	
5452	68 30 1,5	8,98	0,339	.....	−9.8642	+9.2153	0.9534	9.9514	....	....	.....	....	....	B.F 2244
5453	23 14 59,3	8,97	0,037	−0,06	−9.9970	+9.6137	0.9527	9.9516	....	69	iii.2023	....	....	B.H 691
5454	153 42 33,2	8,94	0,717	−0,01	+9.7855	−9.6017	0.9514	9.9519	....	....	.....	6795	5709	R 471?
5455	116 9 45,9	8,91	0,478	.....	+7.7404	−9.2922	0.9501	9.9522	....	....	.....	6820		
5456	88 36 49,4	8,91	0,397	−0,07	−9.6585	+8.0314	0.9499	9.9522	2081	59	ii.1873			
5457	127 12 37,0	8,91	0,520	−0,02	+9.2927	−9.4291	0.9497	9.9523	....	....	v.2943	6816	5718	
5458	147 46 6,6	8,90	0,650	.....	+9.7216	−9.5744	0.9493	9.9524	....	....	v.2942	....	5715	
5459	29 51 49,3	8,89	0,129	.....	−9.9972	+9.5848	0.9489	9.9525	....	....	.....	....	....	G 2332
5460	49 55 48,2	8,89	0,270	.....	−9.9587	+9.4552	0.9487	9.9525	....	....	.....	....	....	G 2328
5461	40 36 4,1	8,87	−0,219	.....	−9.9838	+9.5261	0.9479	9.9527	....	....	.....	....	....	G 2330
5462	13 44 48,6	8,86	+0,240	0,00	−9.9888	+9.6326	0.9474	9.9529	2096	82	iii.2026			
5463	43 19 37,1	8,85	−0,235	−0,02	−9.9780	+9.5066	0.9470	9.9530	2086	73	ii.1876			
5464	119 20 53,7	8,85	0,490	+0,17	+8.7889	−9.3350	0.9470	9.9530	....	60	iii.2024	6826	....	M 644
5465	116 47 43,2	8,85	0,481	−0,03	+8.2355	−9.2985	0.9468	9.9530	....	61	iii.2025	6829		
5466	70 29 28,4	8,85	0,346	−0,05	−9.8505	+9.1682	0.9468	9.9530	2084	66	ii.1875			
5467	109 40 52,8	8,84	0,458	+0,06	−9.0265	−9.1718	0.9467	9.9530	2082	64	ii.1874	....	....	M645,J400
5468	121 4 32,9	8,83	0,497	.....	+8.9628	−9.3563	0.9457	9.9533	....	....	.....	6830		
5469	148 15 2,5	8,82	0,656	−0,01	+9.7287	−9.5729	0.9455	9.9533	....	....	v.2944	6812	5720	R 472
5470	130 19 33,0	8,80	0,536	+1,02	+9.3990	−9.4534	0.9447	9.9535	....	....	.....	6819	5721	
5471	121 20 39,5	8,78	0,499	.....	+8.9872	−9.3574	0.9435	9.9538	....	....	.....	6834		
5472	137 12 28,9	8,78	0,573	+0,37	+9.5623	−9.5067	0.9433	9.9539	....	....	v.2947	6825	5723	
5473	58 45 22,3	8,77	0,307	−0,14	−9.9229	+9.3558	0.9431	9.9539	2087	74	ii.1879	....	....	P 674
5474	119 2 51,8	8,77	−0,490	.....	+8.7574	−9.3271	0.9431	9.9539	....	67	iv.1087	6836		
5475	14 25 12,0	8,76	+0,211	0,00	−9.9909	+9.6266	0.9427	9.9540	2099	86	iii.2029	....	....	G 2336
5476	119 34 3,5	8,76	−0,492	.....	+8.8222	−9.3337	0.9426	9.9540	....	....	.....	6837		
5477	113 5 44,8	8,74	0,470	−0,02	−8.6646	−9.2331	0.9417	9.9542	2083	71	ii.1877	....	....	M646,J401
5478	113 3 14,2	8,74	0,470	+0,02	−8.6712	−9.2324	0.9417	9.9542	....	72	ii.1878	....	....	W 878
5479	55 50 41,9	8,74	0,296	+0,08	−9.9368	+9.3884	0.9413	9.9543	....	77	ii.1880			
5480	55 56 40,8	8,73	0,296	+0,02	−9.9364	+9.3867	0.9408	9.9544	....	78	ii.1881			
5481	82 42 0,7	8,72	0,383	−0,04	−9.7363	+8.7424	0.9406	9.9545	2085	75	iii.2027			
5482	147 23 52,4	8,72	−0,651	.....	+9.7201	−9.5637	0.9403	9.9545	....	....	.....	....	5726	
5483	16 14 24,6	8,71	+0,140	.....	−9.9940	+9.6200	0.9399	9.9546	....	....	.....	....	....	G 2337
5484	57 18 51,2	8,70	−0,302	+0,03	−9.9303	+9.3696	0.9394	9.9548	2089	79	iii.2028			
5485	147 24 48,4	8,69	0,651	−0,17	+9.7207	−9.5625	0.9391	9.9548	....	....	v.2949	6827	5728	R 473
5486	151 17 35,8	8,67	0,693	−0,11	+9.7652	−9.5790	0.9382	9.9550	....	....	.....	6824	5729	
5487	118 56 31,3	8,62	0,492	+0,01	+8.7566	−9.3182	0.9356	9.9556	....	....	.....	6843	5735	
5488	126 50 13,1	8,61	0,524	+0,08	+9.2880	−9.4108	0.9352	9.9557	....	....	v.2951	6842	5736	
5489	108 6 37,8	8,61	0,457	−0,01	−9.1196	−9.1252	0.9349	9.9558	2088	80	ii.1882	....	....	M647,J402
5490	75 37 2,5	+8,60	−0,364	+0,02	−9.8094	+9.0272	+0.9343	−9.9559	2090	81	ii.1883	....	....	P 679

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5491*	Scorpii	7	16 18 38,15	+3,643	+0,0134	.....	−8.4993	−8.8239	+0.5615	+8.1309
5492	Normæ	6½	18 50,78	4,318	+0,0289	+0,011	8.6120	8.9377	0.6353	+8.4683
5493*	Serpentis	6	19 16,82	3,014	+0,0044	.....	8.4533	8.7810	0.4791	−7.1250
5494*	Ophiuchi	5	19 37,94	3,225	+0,0068	.....	8.4548	8.7843	0.5085	+7.5557
5495	3 Ophiuchi ..... υ	5	19 41,96	3,242	+0,0070	+0,012	8.4554	8.7852	0.5108	+7.6006
5496	25 Herculis	5	20 3,57	2,133	+0,0012	+0,001	8.5515	8.8832	0.3289	−8.3383
5497*	Herculis	7	20 8,91	1,857	+0,0024	+0,004	8.6000	8.9321	0.2688	−8.4498
5498	21 Scorpii ..... α	1	20 13,12	3,664	+0,0136	+0,004	8.4957	8.8281	0.5640	+8.1390
5499	Draconis	6	20 42,97	1,482	+0,0055	.....	8.6638	8.9987	0.1707	−8.5640
5500	Scorpii	7	20 58,29	3,705	+0,0142	.....	8.4983	8.8344	0.5688	+8.1639
5501	22 Scorpii	6	21 6,19	3,631	+0,0128	+0,004	8.4873	8.8241	0.5601	+8.1097
5502	Draconis	5	21 8,48	1,300	+0,0077	.....	8.6926	9.0296	0.1140	−8.6088
5503	Draconis	7	21 12,35	1,513	+0,0052	.....	8.6562	8.9935	0.1797	−8.5530
5504*	Herculis	7	21 14,81	2,729	+0,0022	.....	8.4613	8.7988	0.4361	−7.8933
5505	Trianguli Aust... θ	5½	21 20,60	5,697	+0,0780	+0,004	8.8212	9.1592	0.7556	+8.7791
5506	Scorpii	6½	21 24,65	3,890	+0,0178	−0,009	8.5255	8.8639	0.5900	+8.2731
5507*	Herculis	7	21 34,19	2,727	+0,0022	.....	8.4601	8.7992	0.4357	−7.8943
5508	Scorpii	4	21 35,51	3,902	+0,0180	−0,003	8.5267	8.8659	0.5913	+8.2784
5509	Draconis	6	21 48,38	0,780	+0,0164	.....	8.7714	9.1117	9.8919	−8.7175
5510	Apodis ..... β	5	21 49,41	+8,420	+0,2495	−0,107	9.0966	9.4370	+0.9253	+9.0857
5511*	21 Ursæ Minoris .. η	5	21 57,43	−1,844	+0,1151	+0,005	9.0611	9.4022	−0.2658	−9.0482
5512*	14 Draconis ..... η	3	21 58,30	+0,797	+0,0161	+0,023	8.7681	9.1092	+9.9012	−8.7134
5513	Scorpii	7	22 10,77	+3,670	+0,0134	−0,007	8.4880	8.8302	+0.5646	+8.1330
5514	Draconis	5½	22 10,80	−0,177	+0,0417	.....	8.8957	9.2379	−9.2480	−8.8671
5515	26 Herculis	7½	22 15,80	+2,279	+0,0010	+0,001	8.5171	8.8598	+0.3577	−8.2537
5516	8 Ophiuchi ..... φ	4½	22 33,65	3,426	+0,0093	+0,004	8.4571	8.8012	0.5348	+7.9048
5517	Aræ	7	22 43,57	4,949	+0,0470	.....	8.7028	9.0478	0.6945	+8.6265
5518*	Scorpii	7	23 2,01	3,738	+0,0145	.....	8.4943	8.8408	0.5727	+8.1759
5519	9 Ophiuchi ..... ω	5	23 15,06	3,542	+0,0111	+0,004	8.4667	8.8143	0.5493	+8.0237
5520	10 Ophiuchi ..... λ	4	23 21,34	3,021	+0,0044	+0,006	8.4363	8.7845	0.4802	−7.0429
5521*	Normæ ..... μ	5½	23 25,93	4,237	+0,0254	−0,009	8.5767	8.9252	0.6271	+8.4163
5522*	Scorpii	7	23 30,38	3,811	+0,0158	.....	8.5033	8.8522	0.5810	+8.2181
5523	30 Herculis ..... g	5	23 42,94	1,963	+0,0017	+0,006	8.5648	8.9148	0.2929	−8.3921
5524*	Scorpii	7	23 44,87	3,812	+0,0158	.....	8.5024	8.8525	0.5811	+8.2174
5525	27 Herculis ..... β	2½	23 46,43	2,582	+0,0015	−0,006	8.4665	8.8167	0.4119	−8.0367
5526*	Aræ	6	23 47,91	5,567	+0,0702	.....	8.7913	9.1417	0.7456	+8.7447
5527*	Herculis	5½	24 1,09	2,606	+0,0016	.....	8.4625	8.8140	0.4160	−8.0130
5528	Ophiuchi	7	24 5,35	3,413	+0,0090	−0,003	8.4493	8.8011	0.5331	+7.8805
5529*	Herculis	7	24 43,88	2,816	+0,0027	.....	8.4393	8.7945	0.4497	−7.7482
5530*	Herculis	6	24 47,96	2,563	+0,0014	.....	8.4643	8.8198	0.4088	−8.0475
5531	28 Herculis ..... n	5½	25 13,15	2,945	+0,0036	+0,005	8.4303	8.7879	0.4691	−7.4382
5532	29 Herculis ..... h	4½	25 35,41	2,814	+0,0027	−0,008	8.4357	8.7953	0.4494	−7.7469
5533	Normæ	6	25 51,57	4,196	+0,0238	+0,021	8.5579	8.9189	0.6228	+8.3880
5534	31 Herculis	7½	25 53,32	2,249	+0,0010	+0,003	8.5057	8.8668	0.3520	−8.2514
5535*	34 Herculis	6½	16 25 59,02	+1,646	+0,0038	−0,003	−8.6103	−8.9719	+0.2164	−8.4900

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5491	115 21 2,0	+8,58	−0,480	.....	−7.7160	−9.2631	+0.9337	−9.9561	....	....	.....	6849		
5492	135 54 21,8	8,57	0,569	+0,29	+9.5408	−9.4869	0.9328	9.9563	....	....	v.2953	6841	5738	
5493	87 18 28,6	8,53	0,398	.....	−9.6776	+8.3006	0.9311	9.9566	....	....	.....	....	....	B.F 2258
5494	97 14 51,0	8,51	0,426	.....	−9.5000	−8.7284	0.9297	9.9570	....	....	.....	....	....	B.F 2255
5495	98 1 51,1	8,50	0,428	0,00	−9.4817	−8.7724	0.9294	9.9570	....	83	ii.1884	....	....	J 403
5496	52 15 40,8	8,47	0,282	0,00	−9.9533	+9.4125	0.9279	9.9573	2093	91	ii.1887			
5497	44 57 54,5	8,46	0,246	−0,05	−9.9769	+9.4751	0.9276	9.9574	....	....	.....	....	....	G 2339
5498	116 5 38,4	8,46	0,485	+0,03	+7.9590	−9.2684	0.9273	9.9575	2091	84	ii.1885	6853	5743	M648, J404
5499	37 22 0,5	8,42	0,196	.....	−9.9934	+9.5233	0.9252	9.9579	....	....	.....	....	....	G 2340
5500	117 34 56,5	8,40	0,491	.....	+8.5551	−9.2876	0.9242	9.9581	....	....	.....	6856		
5501	114 46 49,1	8,39	0,481	+0,01	−8.1239	−9.2438	0.9237	9.9582	2092	89	ii.1888	6858		
5502	34 27 8,6	8,39	0,172	.....	−9.9976	+9.5375	0.9235	9.9583	....	....	.....	....	....	G 2343
5503	37 56 29,7	8,38	0,200	.....	−9.9927	+9.5179	0.9232	9.9583	....	....	.....	....	....	G 2342
5504	74 18 41,4	8,38	0,362	.....	−9.8218	+9.0529	0.9231	9.9584	....	....	.....	....	....	B.F 2261
5505	155 10 14,4	8,37	0,755	+0,35	+9.8079	−9.5783	0.9227	9.9585	....	....	.....	6844	5744	R 475
5506	124 0 0,4	8,36	0,516	0,00	+9.1714	−9.3677	0.9224	9.9585	....	90	iii.2031	6857		
5507	74 13 52,0	8,35	0,362	.....	−9.8226	+9.0537	0.9217	9.9587	....	....	.....	....	....	B.F 2263
5508	124 22 20,7	8,35	0,517	+0,08	+9.1906	−9.3711	0.9216	9.9587	....	92	ii.1889	6859	5747	P683, J405
5509	27 57 41,6	8,33	0,103	.....	−0.0030	+9.5646	0.9208	9.9589	....	....	.....	....	....	G 2345
5510	167 11 26,5	8,33	−1,117	+0,30	+9.8981	−9.6075	0.9207	9.9589	....	....	ii.1886	6817	5742	R 474
5511	13 54 9,0	8,32	+0,245	−0,20	−9.9945	+9.6050	0.9201	9.9590	2111	114	ii.1895			
5512	28 8 42,7	8,32	−0,106	−0,08	−0.0030	+9.5632	0.9201	9.9590	2104	102	ii.1892			
5513	116 12 16,8	8,30	−0,487	−0,03	+8.1004	−9.2620	0.9192	9.9592	....	93	iii.2032	6866	....	M 649
5514	20 32 38,0	8,30	+0,024	.....	−0.0020	+9.5884	0.9192	9.9592	....	....	.....	....	....	G 2347
5515	56 57 47,7	8,30	−0,303	−0,09	−9.9346	+9.3532	0.9189	9.9593	2098	97	iii.2033			
5516	106 16 50,6	8,27	0,455	+0,03	−9.2074	−9.0631	0.9176	9.9595	2094	94	ii.1891	....	....	M650, J406
5517	147 1 34,3	8,26	0,658	.....	+9.7229	−9.5384	0.9169	9.9597	....	....	.....	....	....	R 476
5518	118 42 32,9	8,23	0,497	.....	+8.7589	−9.2950	0.9156	9.9599	....	....	.....	6872		
5519	111 8 23,5	8,22	0,471	−0,08	−8.8797	−9.1696	0.9147	9.9601	2095	96	ii.1893	....	....	M651, J407
5520	87 41 0,2	8,21	0,402	+0,06	−9.6726	+8.2187	0.9143	9.9602	2097	100	ii.1894			
5521	133 43 18,3	8,20	0,564	+0,14	+9.5012	−9.4513	0.9139	9.9603	....	95	iii.2034	6867	5752	
5522	121 14 4,6	8,20	0,507	.....	+9.0095	−9.3262	0.9136	9.9603	....	....	.....	6875		
5523	47 47 5,8	8,18	0,261	−0,09	−9.9708	+9.4378	0.9127	9.9605	2102	105	ii.1897			
5524	121 15 12,7	8,18	0,508	.....	+9.0116	−9.3254	0.9126	9.9605	....	....	.....	6878		
5525	68 10 45,9	8,18	0,344	−0,01	−9.8706	+9.1805	0.9125	9.9605	2100	103	ii.1896			
5526	153 56 18,4	8,17	0,741	.....	+9.7991	−9.5636	0.9124	9.9606	....	....	.....	6855		
5527	69 11 20,3	8,16	0,347	.....	−9.8634	+9.1598	0.9115	9.9608	....	....	.....	....	....	B.F 2269
5528	105 39 27,8	8,15	0,455	+0,22	−9.2338	−9.0401	0.9112	9.9608	....	101	iii.2036			
5529	78 15 0,8	8,10	0,376	.....	−9.7862	+8.9151	0.9084	9.9613	....	....	.....	....	....	B.F 2270
5530	67 28 39,9	8,09	0,342	.....	−9.8759	+9.1892	0.9081	9.9614	....	....	.....	....	....	B.F 2272
5531	84 9 18,7	8,06	0,393	+0,04	−9.7202	+8.6120	0.9063	9.9618	2101	108	ii.1898			
5532	78 11 6,6	8,03	0,376	+0,05	−9.7870	+8.9137	0.9047	9.9621	2105	112	ii.1899			
5533	132 32 39,3	8,01	0,561	+0,23	+9.4774	−9.4314	0.9035	9.9623	....	106	iii.2040	6885	5761	R 478
5534	56 9 42,8	8,01	0,301	0,00	−9.9401	+9.3469	0.9034	9.9623	2106	116	iii.2041			
5535	40 42 38,3	+8,00	−0,220	+0,07	−9.9904	+9.4805	+0.9030	−9.9624	2107	118	iii.2043	....	....	G 2353

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5536	Trianguli Aust... η^1	5	16 26 3,79	+6,104	+0,0923	+0,061	−8.8506	−9.2126	+0.7856	+8.8177
5537*	Herculis	6	26 27,04	2,839	+0,0028	.....	8.4303	8.7943	0.4532	−7.6986
5538	Scorpii	5	26 30,81	3,928	+0,0176	+0,004	8.5087	8.8731	0.5942	+8.2667
5539	23 Scorpii ..... τ	3½	26 33,29	3,720	+0,0137	+0,005	8.4759	8.8404	0.5706	+8.1460
5540	Aræ	6	27 34,88	5,213	+0,0535	−0,072	8.7205	9.0905	0.7171	+8.6586
5541*	32 Herculis	6	27 38,58	2,337	+0,0011	−0,004	8.4835	8.8538	0.3686	−8.1930
5542*	Normæ.....	6	27 50,55	4,222	+0,0238	+0,003	8.5530	8.9243	0.6255	+8.3875
5543	Aræ	6	28 7,71	5,084	+0,0488	−0,011	8.6979	9.0707	0.7062	+8.6290
5544	Trianguli Aust.....	5½	28 15,40	+5,990	+0,0847	+0,012	8.8251	9.1986	+0.7774	+8.7895
5545*	15 Draconis .....A	4½	28 18,07	−0,153	+0,0381	+0,005	8.8619	9.2357	−9.1841	−8.8324
5546	Herculis	6	28 27,90	+2,094	+0,0013	+0,014	8.5196	8.8942	+0.3210	−8.3128
5547	12 Ophiuchi	5	28 28,89	3,114	+0,0051	+0,030	8.4139	8.7886	0.4933	+6.9567
5548	13 Ophiuchi ..... ζ	3½	28 54,27	3,294	+0,0070	+0,005	8.4187	8.7957	0.5177	+7.6694
5549	Draconis	6	28 59,30	1,577	+0,0042	.....	8.6075	8.9849	0.1978	−8.4946
5550*	Aræ	6	29 4,57	5,339	+0,0572	.....	8.7319	9.1098	0.7275	+8.6757
5551	Aræ	6	29 9,86	4,604	+0,0333	−0,017	8.6134	8.9917	0.6631	+8.5050
5552	35 Herculis ..... σ	4	29 16,15	1,930	+0,0019	+0,002	8.5442	8.9231	0.2856	−8.3759
5553	33 Herculis	6	29 34,58	2,910	+0,0033	−0,001	8.4123	8.7928	0.4639	−7.5232
5554	Aræ	4	29 41,91	5,263	+0,0541	.....	8.7174	9.0986	0.7213	+8.6576
5555	Ophiuchi	7½	29 46,97	3,470	+0,0093	−0,006	8.4293	8.8109	0.5403	+7.9173
5556*	Scorpii	7	29 47,86	3,773	+0,0141	.....	8.4685	8.8502	0.5766	+8.1624
5557*	Scorpii	7	29 50,39	3,788	+0,0144	.....	8.4706	8.8525	0.5784	+8.1716
5558	Aræ	6	30 8,49	4,465	+0,0291	+0,028	8.5845	8.9680	0.6499	+8.4587
5559	Draconis	6	30 19,31	1,457	+0,0053	.....	8.6213	9.0058	0.1634	−8.5211
5560	Draconis	6	30 19,69	0,828	+0,0141	+0,019	8.7216	9.1061	9.9180	−8.6640
5561*	Aræ	6½	30 20,39	4,510	+0,0303	−0,006	8.5914	8.9760	0.6542	+8.4715
5562*	Scorpii	7	30 47,25	3,746	+0,0134	.....	8.4598	8.8468	0.5736	+8.1404
5563	Herculis	7	30 53,26	2,762	+0,0023	−0,002	8.4158	8.8033	0.4413	−7.7993
5564*	Scorpii	7	30 57,74	3,668	+0,0121	.....	8.4479	8.8358	0.5645	+8.0864
5565	Trianguli Aust... η^2	6	31 30,27	6,108	+0,0867	+0,010	8.8228	9.2137	0.7859	+8.7894
5566	Trianguli Aust.....	6	31 38,53	5,964	+0,0801	+0,014	8.8041	9.1957	0.7755	+8.7675
5567	Ophiuchi	7	31 43,95	3,524	+0,0098	−0,007	8.4261	8.8182	0.5471	+7.9624
5568	Herculis	6	31 48,81	1,745	+0,0029	.....	8.5639	8.9565	0.2419	−8.4275
5569*	Scorpii	7	32 18,81	3,716	+0,0127	.....	8.4481	8.8434	0.5701	+8.1126
5570*	Aræ	6	32 24,17	5,342	+0,0551	.....	8.7150	9.1108	0.7277	+8.6583
5571*	Ophiuchi	7	32 31,01	3,628	+0,0113	.....	8.4349	8.8313	0.5596	+8.0473
5572*	Scorpii	7	32 34,38	3,794	+0,0140	.....	8.4583	8.8550	0.5791	+8.1603
5573	Ophiuchi	7½	32 36,57	3,468	+0,0090	−0,007	8.4158	8.8128	0.5401	+7.9002
5574	16 Draconis	5½	32 38,83	1,411	+0,0057	−0,001	8.6170	9.0142	0.1497	−8.5205
5575	17 Draconis	6	32 41,23	1,410	+0,0057	−0,005	8.6171	9.0144	0.1492	−8.5207
5576*	Scorpii	7	32 44,25	3,753	+0,0133	.....	8.4514	8.8490	0.5744	+8.1342
5577	Aræ	6	32 49,85	4,710	+0,0348	+0,005	8.6127	9.0109	0.6730	+8.5143
5578	Trianguli Aust... α	2	32 50,13	6,262	+0,0922	+0,001	8.8342	9.2324	0.7967	+8.8036
5579	Ophiuchi	5	32 54,19	3,461	+0,0088	0,000	8.4137	8.8122	0.5392	+7.8905
5580*	Ophiuchi	7	16 33 4,63	+3,514	+0,0095	−0,004	−8.4184	−8.8179	+0.5458	+7.9448

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5536	157 59 26,4	+7,99	−0,817	+0,26	+9.8374	−9.5676	+0.9026	−9.9625	....	....	.....	6865	5756	R 477
5537	79 18 31,5	7,96	0,380	.....	−9.7758	+8.8671	0.9010	9.9628	....	....	.....	....	....	B.F 2275
5538	124 56 29,5	7,96	0,526	+0,13	+9.2307	−9.3564	0.9007	9.9628	....	111	v.2963	6890	5767	J 408
5539	117 53 56,0	7,95	0,498	−0,01	+8.6637	−9.2684	0.9005	9.9629	2103	113	ii.1900	6897	5768	M 652, J 409
5540	150 8 17,8	7,87	0,699	+0,20	+9.7646	−9.5319	0.8960	9.9637	....	....	.....	6886	5773	
5541	59 10 58,6	7,87	0,314	+0,04	−9.9263	+9.3030	0.8957	9.9637	2110	120	iii.2046			
5542	133 5 17,8	7,85	0,567	+0,11	+9.4937	−9.4271	0.8948	9.9639	....	117	iii.2045	6899	5777	
5543	148 33 47,0	7,83	0,683	+0,05	+9.7476	−9.5224	0.8935	9.9641	....	....	.....	6889	5776	
5544	157 7 46,9	7,82	−0,805	−0,05	+9.8324	−9.5552	0.8930	9.9642	....	....	.....	6881	5775	
5545	20 54 27,8	7,81	+0,021	−0,02	−0.0066	+9.5610	0.8928	9.9643	2118	135	ii.1903			
5546	51 35 50,8	7,80	−0,281	+0,13	−9.9602	+9.3830	0.8920	9.9644	....	127	iii.2048	....	....	B.F 2285
5547	91 59 59,1	7,80	0,418	+0,32	−9.6037	−8.1325	0.8919	9.9644	2108	121	ii.1901	....	....	J 410
5548	100 15 30,8	7,76	0,443	−0,03	−9.4196	−8.8385	0.8900	9.9648	2109	123	ii.1902	....	....	J 411
5549	39 32 24,8	7,76	0,212	.....	−9.9945	+9.4746	0.8897	9.9648	....	....	.....	....	....	G 2357
5550	151 28 19,9	7,75	0,718	.....	+9.7803	−9.5308	0.8893	9.9649	....	....	.....	6896		
5551	141 10 51,2	7,74	0,619	−0,06	+9.6500	−9.4783	0.8889	9.9650	....	....	v.2968	6903	5782	
5552	47 15 3,7	7,73	0,260	−0,04	−9.9754	+9.4179	0.8884	9.9650	2113	132	ii.1905			
5553	82 34 59,8	7,71	0,392	−0,05	−9.7400	+8.6956	0.8870	9.9653	2112	129	ii.1904			
5554	150 37 16,4	7,70	0,709	.....	+9.7721	−9.5244	0.8864	9.9654	....	....	.....	....	5784	
5555	107 54 47,7	7,69	0,467	+0,03	−9.1099	−9.0718	0.8861	9.9655	....	128	iii.2051	....	....	M 653
5556	119 37 3,6	7,69	0,508	.....	+8.8982	−9.2777	0.8860	9.9655	....	....	.....	6919		
5557	120 9 11,9	7,69	0,510	.....	+8.9484	−9.2846	0.8858	9.9655	....	....	.....	6920		
5558	138 27 44,7	7,66	0,602	0,00	+9.6063	−9.4564	0.8844	9.9657	....	....	v.2972	6912	5792	
5559	37 26 59,2	7,65	0,196	.....	−9.9990	+9.4811	0.8836	9.9659	....	....	.....	....	....	G 2360
5560	28 51 38,2	7,65	0,112	−0,04	−0.0082	+9.5237	0.8836	9.9659	....	140	iii.2055	....	....	G 2361
5561	139 21 13,4	7,65	0,608	+0,36	+9.6219	−9.4614	0.8835	9.9659	....	....	v.2973	6913	5794	
5562	118 38 28,0	7,61	0,506	.....	+8.7966	−9.2599	0.8814	9.9662	....	....	.....	6925		
5563	76 0 20,4	7,60	0,373	+0,13	−9.8095	+8.9623	0.8810	9.9663	....	136	iii.2056	....	....	B.F 2286
5564	115 47 7,1	7,60	0,495	.....	+8.0719	−9.2169	0.8806	9.9664	....	....	.....	6926		
5565	157 48 58,6	7,55	0,825	+0,12	+9.8413	−9.5425	0.8781	9.9668	....	....	.....	6900	5797	
5566	156 49 7,5	7,54	0,806	−0,26	+9.8332	−9.5387	0.8775	9.9669	....	....	.....	6906	5798	
5567	110 6 40,3	7,53	0,476	+0,04	−8.9484	−9.1112	0.8771	9.9670	....	137	iii.2058	....	....	M 654
5568	43 4 51,4	7,53	0,236	.....	−9.9883	+9.4380	0.8767	9.9670	....	....	.....	....	....	G 6223
5569	117 30 20,5	7,49	0,503	.....	+8.6395	−9.2366	0.8743	9.9674	....	....	.....	6935		
5570	151 21 34,2	7,48	0,723	.....	+9.7827	−9.5150	0.8739	9.9675	....	....	.....	6921		
5571	114 10 40,7	7,47	0,491	.....	−8.1987	−9.1835	0.8734	9.9676	....	....	.....	6940		
5572	120 13 53,4	7,47	0,514	.....	+8.9657	−9.2729	0.8731	9.9676	....	....	.....	6937		
5573	107 45 40,6	7,46	0,470	0,00	−9.1146	−9.0551	0.8729	9.9676	....	142	iii.2060	....	....	M 655
5574	36 47 47,9	7,46	0,191	−0,02	−0.0014	+9.4740	0.8727	9.9677	2122	152	iii.2062			
5575	36 46 20,2	7,46	0,191	0,00	−0.0015	+9.4740	0.8726	9.9677	2124	153	iii.2063			
5576	118 48 4,3	7,45	0,508	.....	+8.8261	−9.2529	0.8723	9.9677	....	....	.....	6942		
5577	142 51 43,7	7,45	0,638	+0,17	+9.6796	−9.4712	0.8719	9.9678	....	....	v.2978	6927	5808	
5578	158 44 34,6	7,45	0,848	+0,08	+9.8501	−9.5390	0.8718	9.9678	....	....	ii.1906	6911	5804	J 412. R 479
5579	107 26 46,7	7,44	0,469	−0,03	−9.1323	−9.0462	0.8715	9.9679	2114	143	ii.1907	....	....	M 656, J 413
5580	109 38 1,6	+7,43	−0,476	−0,06	−8.9850	−9.0948	+0.8707	−9.9680	2115	145	iii.2061	....	....	B.F 2288

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5581	36 Herculis ..... m^1	7½	16 33 8,55	+2,973	+0,0037	+0,004	−8.3934	−8.7933	+0.4732	−7.2885
5582	37 Herculis ..... m^2	6½	33 12,25	2,973	+0,0037	+0,005	8.3931	8.7933	0.4731	−7.2893
5583	Scorpii	6½	33 22,36	4,144	+0,0206	−0,001	8.5121	8.9132	0.6175	+8.3275
5584	Scorpii	6½	33 30,83	4,144	+0,0206	+0,020	8.5114	8.9133	0.6174	+8.3267
5585	Aræ	6½	33 35,52	5,077	+0,0453	+0,004	8.6684	9.0707	0.7056	+8.5978
5586*	Ophiuchi	7½	33 39,73	3,037	+0,0041	−0,005	8.3898	8.7925	0.4825	−6.8195
5587	Herculis	6½	33 52,75	2,791	+0,0025	+0,003	8.3993	8.8032	0.4457	−7.7411
5588*	Scorpii	6½	34 1,00	3,842	+0,0146	.....	8.4586	8.8633	0.5846	+8.1805
5589*	Scorpii	7	34 1,96	3,817	+0,0142	.....	8.4545	8.8593	0.5817	+8.1657
5590	38 Herculis	7	34 5,93	2,958	+0,0035	+0,007	8.3893	8.7944	0.4710	−7.3436
5591	14 Ophiuchi	7	34 6,94	+3,039	+0,0041	−0,005	8.3876	8.7928	+0.4827	−6.7975
5592*	Ursæ Minoris	6	34 11,94	−3,501	+0,1935	−0,019	9.1174	9.5231	−0.5442	−9.1098
5593	Scorpii	6	34 19,83	+4,136	+0,0203	−0,003	8.5057	8.9121	+0.6165	+8.3187
5594	Aræ	6	34 34,63	5,068	+0,0446	−0,004	8.6617	9.0695	0.7048	+8.5904
5595*	Scorpii	7	34 36,69	3,692	+0,0120	.....	8.4333	8.8413	0.5673	+8.0831
5596*	42 Herculis	5	34 40,64	1,627	+0,0036	+0,002	8.5697	8.9781	0.2113	−8.4490
5597*	Herculis	6	34 47,85	2,486	+0,0013	.....	8.4274	8.8365	0.3955	−8.0558
5598	Ophiuchi	7	34 49,14	3,595	+0,0105	+0,007	8.4195	8.8287	0.5557	+8.0085
5599	Draconis	6	34 58,88	1,202	+0,0079	.....	8.6392	9.0493	0.0798	−8.5593
5600*	Scorpii	7	34 59,09	3,710	+0,0122	.....	8.4340	8.8441	0.5694	+8.0934
5601	Draconis	6	35 24,78	0,583	+0,0177	.....	8.7297	9.1422	9.7657	−8.6810
5602	39 Herculis	6½	35 32,25	2,429	+0,0011	+0,006	8.4314	8.8447	0.3855	−8.0916
5603	Scorpii	6½	35 37,69	3,740	+0,0126	−0,006	8.4351	8.8488	0.5729	+8.1099
5604	40 Herculis ..... ζ	3	35 38,07	2,295	+0,0011	−0,030	8.4510	8.8648	0.3607	−8.1738
5605*	Scorpii	7	35 46,56	3,806	+0,0137	.....	8.4442	8.8587	0.5805	+8.1500
5606*	15 Ophiuchi	7	36 7,89	3,598	+0,0104	+0,002	8.4132	8.8298	0.5561	+8.0033
5607	Scorpii	7	36 10,56	3,750	+0,0127	+0,008	8.4337	8.8505	0.5741	+8.1132
5608*	Scorpii	7	36 34,50	3,690	+0,0117	.....	8.4231	8.8422	0.5670	+8.0705
5609	Aræ ..... η	4½	36 51,64	5,132	+0,0452	+0,003	8.6592	9.0799	0.7103	+8.5912
5610	Trianguli Aust.....	6	36 58,97	+6,076	+0,0795	−0,042	8.7889	9.2103	+0.7836	+8.7543
5611*	Ursæ Minoris	6	37 11,17	−2,684	+0,1377	+0,017	9.0452	9.4678	−0.4288	−9.0352
5612*	Scorpii	7	37 21,67	+3,829	+0,0139	.....	8.4393	8.8629	+0.5830	+8.1538
5613	Aræ	6	37 22,25	5,767	+0,0668	0,000	8.7472	9.1708	0.7609	+8.7049
5614*	25 Scorpii	6	37 40,77	3,661	+0,0111	+0,006	8.4135	8.8389	0.5636	+8.0435
5615*	Herculis	6	37 41	2,134	+0,0012	.....	8.4663	8.8918	0.3292	−8.2438
5616*	41 Herculis	6½	37 41,78	2,931	+0,0032	−0,015	8.3725	8.7980	0.4670	−7.4184
5617	44 Herculis ..... η	3	37 45,31	2,049	+0,0014	+0,005	8.4803	8.9061	0.3116	−8.2811
5618	16 Ophiuchi	6	37 52,73	3,042	+0,0041	+0,008	8.3690	8.7955	0.4832	−6.7252
5619	Herculis	6	38 19,82	2,215	+0,0011	+0,001	8.4496	8.8788	0.3454	−8.2007
5620*	Herculis	6	38 34,71	2,711	+0,0020	.....	8.3825	8.8131	0.4331	−7.8236
5621	43 Herculis i	5	38 38,05	2,875	+0,0028	+0,001	8.3702	8.8012	0.4587	−7.5578
5622*	Scorpii	6½	38 49,93	3,822	+0,0134	.....	8.4306	8.8627	0.5823	+8.1415
5623	Ophiuchi	7	39 6,95	3,636	+0,0106	−0,003	8.4027	8.8364	0.5606	+8.0163
5624*	46 Herculis	7	39 7,14	2,386	+0,0011	+0,001	8.4192	8.8529	0.3776	−8.0997
5625*	Ophiuchi	7½	16 39 20,50	+3,016	+0,0038	.....	−8.3618	−8.7969	+0.4794	−7.0042

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5581	85 29 45,7	+7,42	−0,403	−0,01	−9.7038	+8.4632	+0.8704	−9.9680	2116	147	iii.2064			
5582	85 29 4,9	7,42	0,403	+0,03	−9.7040	+8.4640	0.8701	9.9681	2117	149	iii.2065			
5583	130 49 41,3	7,40	0,562	+0,28	+9.4459	−9.3825	0.8693	9.9682	....	....	v.2979	6941	5812	
5584	130 49 13,3	7,39	0,562	−0,56	+9.4461	−9.3818	0.8686	9.9683	....	....	v.2981	6943	5813	
5585	148 12 57,9	7,38	0,688	−0,14	+9.7495	−9.4955	0.8683	9.9684	....	....	v.2980	6928	5811	
5586	88 27 31,1	7,38	0,412	0,00	−9.6616	+7.9954	0.8679	9.9684	2119	151	iii.2067			
5587	77 18 35,3	7,36	0,379	+0,06	−9.7978	+8.9065	0.8669	9.9686	....	154	iii.2068	....	....	B.F 2294
5588	121 48 32,6	7,35	0,521	.....	+9.0849	−9.2859	0.8662	9.9687	....	....	.....	6950		
5589	120 56 58,8	7,35	0,518	.....	+9.0265	−9.2751	0.8661	9.9687	....	....	.....	6951		
5590	84 50 5,9	7,34	0,402	+0,01	−9.7127	+8.5180	0.8658	9.9688	2121	156	iii.2071			
5591	88 31 38,7	7,34	0,412	−0,04	−9.6606	+7.9734	0.8657	9.9688	2120	155	iii.2070			
5592	10 43 19,9	7,33	0,475	.....	−9.9979	+9.5555	0.8653	9.9688	....	182	iii.2076	....	....	G 2372
5593	130 33 4,6	7,32	0,562	+0,02	+9.4401	−9.3755	0.8647	9.9689	....	150	iii.2069	6949	5817	
5594	148 3 28,0	7,30	0,688	+0,01	+9.7487	−9.4900	0.8635	9.9691	....	....	v.2982	6936	5815	
5595	116 31 6,6	7,30	0,502	+0,27	+8.4409	−9.2109	0.8633	9.9691	....	....	.....	6957	5819	
5596	40 46 35,6	7,30	0,221	+0,01	−9.9951	+9.4401	0.8630	9.9692	2128	163	iii.2074			
5597	64 50 49,6	7,29	0,338	.....	−9.8970	+9.1886	0.8624	9.9693	....	....	.....	....	....	B.F 2299
5598	112 50 22,2	7,28	0,489	+0,01	−8.5821	−9.1491	0.8623	9.9693	....	157	iii.2072			
5599	33 41 26,4	7,27	0,163	.....	−0.0070	+9.4795	0.8616	9.9694	....	....	.....	....	....	G 2369
5600	117 9 44,8	7,27	0,504	.....	+8.5955	−9.2188	0.8615	9.9694	....	....	.....	6958	....	
5601	26 37 26,4	7,24	0,079	.....	−0.0121	+9.5085	0.8594	9.9697	....	....	.....	....	....	G 2370
5602	62 47 23,8	7,23	0,331	+0,02	−9.9098	+9.2168	0.8588	9.9698	2125	164	iii.2075			
5603	118 13 28,7	7,22	0,509	0,00	+8.7694	−9.2310	0.8584	9.9699	....	159	ii.1908	6966	....	M 658
5604	58 7 20,9	7,22	0,312	−0,43	−9.9351	+9.2789	0.8584	9.9699	2127	165	ii.1909			
5605	120 31 36,5	7,21	0,518	.....	+9.0009	−9.2613	0.8577	9.9700	....	....	.....	6967		
5606	112 53 52,4	7,18	0,490	−0,10	−8.5623	−9.1437	0.8559	9.9703	2123	162	iii.2077			
5607	118 33 30,6	7,17	0,511	+0,35	+8.8143	−9.2329	0.8557	9.9703	....	....	v.2985	6972	5827	
5608	116 21 41,3	7,14	0,503	.....	+8.4166	−9.1989	0.8537	9.9706	....	....	.....	6975		
5609	148 45 55,8	7,12	0,700	+0,01	+9.7592	−9.4820	0.8523	9.9708	....	....	v.2986	6956	5828	J 414
5610	157 24 45,4	7,11	−0,829	+0,50	+9.8431	−9.5148	0.8517	9.9709	....	....	.....	6947	5826	
5611	12 15 42,5	7,09	+0,366	.....	−0.0027	+9.5384	0.8507	9.9710	....	195	iii.2082	....	....	G 2373
5612	121 12 28,3	7,08	−0,522	.....	+9.0554	−9.2620	0.8498	9.9711	....	....	.....	6977		
5613	155 6 25,4	7,08	0,787	+0,31	+9.8235	−9.5052	0.8497	9.9711	....	....	.....	6954	5830	
5614	115 15 7,8	7,05	0,500	+0,24	+7.8389	−9.1760	0.8482	9.9714	2126	168	ii.1911	6981		W 883
5615	53 12	7,05	0,291	.....	−9.9582	+9.3234	0.8481	9.9714	....	....	.....	....	....	A
5616	83 37 7,4	7,05	0,400	+0,16	−9.7287	+8.5918	0.8481	9.9714	2130	169	iii.2079	....	....	A 393
5617	50 47 21,7	7,04	0,280	+0,07	−9.9676	+9.3464	0.8478	9.9714	2133	173	ii.1913			
5618	88 41 54,8	7,03	0,416	−0,07	−9.6582	+7.9012	0.8472	9.9715	2129	170	ii.1912			
5619	55 40 57,4	7,00	0,303	+0,01	−9.9478	+9.2938	0.8449	9.9718	....	177	iii.2081			
5620	73 58 17,9	6,98	0,371	.....	−9.8300	+8.9825	0.8436	9.9720	....	....	.....	....	....	B.F 2310
5621	81 8 22,9	6,97	0,393	−0,04	−9.7583	+8.7287	0.8433	9.9720	2131	175	ii.1914			
5622	120 55 42,8	6,96	0,523	.....	+9.0406	−9.2510	0.8423	9.9722	....	....	.....	6984		
5623	114 15 9,7	6,93	0,498	+0,04	−8.0128	−9.1522	0.8409	9.9724	....	174	iii.2083	6991		
5624	61 21 53,1	6,93	0,327	0,00	−9.9194	+9.2192	0.8408	9.9724	2136	181	iii.2084			
5625	87 29 3,9	+6,91	−0,413	.....	−9.6764	+8.1798	+0.8397	−9.9725	2134	....	.....	....	....	Airy (G)

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5626	Aræ	6	16 39 33,48	+5,532	+0,0565	.....	−8.7028	−9.1391	+0.7428	+8.6526
5627	19 Ophiuchi	6	39 36,50	3,019	+0,0038	+0,004	8.3604	8.7970	0.4799	−6.9713
5628	18 Draconis ..... *g*	5	39 53,49	0,392	+0,0204	+0,001	8.7305	9.1688	9.5935	−8.6874
5629	Draconis	5½	39 54,29	1,211	+0,0074	.....	8.6105	9.0489	0.0830	−8.5289
5630*	Scorpii	6½	39 57,43	3,837	+0,0135	.....	8.4269	8.8656	0.5840	+8.1436
5631	45 Herculis ..... *l*	5½	40 23,49	2,949	+0,0033	0,000	8.3579	8.7992	0.4697	−7.3410
5632	26 Scorpii ..... *s*	3	40 27,67	3,919	+0,0148	−0,044	8.4371	8.8787	0.5932	+8.1848
5633	18 Ophiuchi	6	40 36,81	3,640	+0,0104	−0,001	8.3953	8.8379	0.5611	+8.0109
5634*	Herculis	7	41 3,24	2,817	+0,0024	.....	8.3611	8.8063	0.4498	−7.6570
5635	Scorpii	6	41 6,78	4,163	+0,0191	−0,005	8.4741	8.9197	0.6195	+8.2908
5636	Aræ	6	41 28,19	5,543	+0,0556	−0,008	8.6933	9.1410	0.7438	+8.6433
5637	20 Ophiuchi	5	41 32,39	3,304	+0,0063	+0,008	8.3572	8.8053	0.5191	+7.6184
5638	Scorpii ..... μ^1	3	41 43,15	4,047	+0,0168	0,000	8.4511	8.9003	0.6072	+8.2384
5639	Scorpii	6	42 3,71	4,146	+0,0186	+0,011	8.4658	8.9170	0.6176	+8.2780
5640*	Scorpii ..... μ^2	4	42 11,07	4,047	+0,0167	−0,003	8.4485	8.9004	0.6071	+8.2354
5641*	Ophiuchi	6½	42 12,99	3,647	+0,0103	.....	8.3875	8.8396	0.5619	+8.0064
5642	Ophiuchi	7½	42 18,43	3,439	+0,0076	0,000	8.3635	8.8162	0.5364	+7.8113
5643	Draconis	5	42 26,93	1,125	+0,0082	.....	8.6095	9.0631	0.0510	−8.5333
5644	Herculis	6	42 31,87	1,914	+0,0018	.....	8.4770	8.9310	0.2820	−8.3067
5645*	Aræ	6	42 37,94	5,382	+0,0495	.....	8.6636	9.1183	0.7309	+8.6070
5646	Aræ	6½	42 38,82	4,926	+0,0362	−0,008	8.5940	9.0488	0.6925	+8.5115
5647*	Herculis	6	42 39,23	2,767	+0,0022	.....	8.3561	8.8109	0.4420	−7.7252
5648	47 Herculis ..... *k*	5	43 2,45	2,904	+0,0029	+0,005	8.3455	8.8027	0.4630	−7.4619
5649	Scorpii	6	43 4,44	4,239	+0,0202	−0,003	8.4760	8.9334	0.6273	+8.3081
5650*	Ophiuchi	7	43 4,93	3,669	+0,0105	.....	8.3855	8.8429	0.5645	+8.0170
5651*	Scorpii ..... ζ^1	4½	43 25,40	4,212	+0,0194	−0,010	8.4694	8.9289	0.6245	+8.2958
5652	48 Herculis	6½	43 25,41	2,335	+0,0011	−0,001	8.4032	8.8627	0.3683	−8.1051
5653*	Scorpii	7	43 27,98	3,848	+0,0132	.....	8.4093	8.8690	0.5853	+8.1288
5654	Trianguli Aust.....	5½	43 29,90	6,365	+0,0843	−0,043	8.7854	9.2453	0.8038	+8.7556
5655	Scorpii	6½	43 30,93	4,190	+0,0190	−0,007	8.4651	8.9252	0.6222	+8.2868
5656	Scorpii	var.	43 41,06	4,192	+0,0190	+0,023	8.4644	8.9255	0.6224	+8.2865
5657	Aræ	6	43 43,32	5,775	+0,0617	+0,004	8.7114	9.1727	0.7616	+8.6685
5658	Draconis	6	43 47,69	1,220	+0,0069	+0,035	8.5865	9.0483	0.0862	−8.5034
5659	21 Ophiuchi	6	43 48,72	3,038	+0,0038	+0,004	8.3377	8.7996	0.4826	−6.7488
5660	Scorpii	5½	43 51,69	4,218	+0,0194	−0,009	8.4678	8.9300	0.6251	+8.2952
5661	Scorpii ..... ζ^2	3	44 2,33	4,213	+0,0193	−0,016	8.4659	8.9292	0.6246	+8.2923
5662*	Scorpii	7	44 14,79	3,810	+0,0124	.....	8.3991	8.8636	0.5809	+8.1021
5663	Ophiuchi	6½	44 34,11	3,535	+0,0086	−0,009	8.3609	8.8274	0.5484	+7.8983
5664	Aræ ..... ρ	6	44 35,09	4,601	+0,0273	−0,059	8.5291	8.9958	0.6629	+8.4161
5665*	Scorpii	6½	44 37,61	3,816	+0,0125	.....	8.3978	8.8647	0.5816	+8.1034
5666	50 Herculis	5	44 47,81	2,338	+0,0011	0,000	8.3949	8.8629	0.3688	−8.0947
5667*	52 Herculis	5	44 50,62	1,749	+0,0026	−0,004	8.4921	8.9603	0.2427	−8.3508
5668	Scorpii	6	44 55,09	4,254	+0,0198	−0,014	8.4678	8.9365	0.6288	+8.3021
5669*	Scorpii	7	44 58,22	3,860	+0,0130	.....	8.4024	8.8715	0.5865	+8.1258
5670*	Aræ	6	16 44 59,13	+5,400	+0,0485	.....	−8.6522	−9.1213	+0.7324	+8.5960

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5626	152 58 14,8	+6,90	−0,758	.....	+9.8057	−9.4861	+0.8386	−9.9727	....	....	.....	....	....	R 480
5627	87 39 36,2	6,89	0,414	0,00	−9.6739	+8.1471	0.8383	9.9727	2135	180	iii.2086			
5628	25 7 36,3	6,87	0,054	+0,05	−0.0149	+9.4915	0.8368	9.9729	2141	197	ii.1918			
5629	34 2 1,1	6,87	0,166	.....	−0.0092	+9.4530	0.8368	9.9729	....	....	.....	....	....	G 2374
5630	121 23 8,2	6,86	0,526	.....	+9.0752	−9.2509	0.8365	9.9730	....	....	.....	6993		
5631	84 28 50,2	6,83	0,404	+0,06	−9.7180	+8.5151	0.8342	9.9733	2137	187	ii.1916			
5632	124 0 54,6	6,82	0,538	+0,30	+9.2212	−9.2794	0.8339	9.9733	2132	184	ii.1915	6996	5851	M659, J415
5633	114 22 11,5	6,81	0,499	+0,02	−7.8573	−9.1464	0.8331	9.9734	....	185	ii.1917	7004	....	M 660
5634	78 35 56,4	6,77	0,387	.....	−9.7864	+8.8245	0.8307	9.9737	....	....	.....	....	....	B.F 2316
5635	130 57 56,9	6,77	0,572	−0,02	+9.4615	−9.3449	0.8304	9.9738	....	186	v.2994	7000	5857	
5636	153 0 38,6	6,74	0,761	−0,14	+9.8078	−9.4762	0.8285	9.9740	....	....	.....	6983	5853	R 481
5637	100 30 45,8	6,73	0,454	+0,08	−9.4062	−8.7871	0.8282	9.9740	2138	191	ii.1920	....	....	J 417
5638	127 47 4,1	6,72	0,556	+0,13	+9.3698	−9.3122	0.8272	9.9742	....	189	ii.1919	7006	5860	J 416
5639	130 27 42,3	6,69	0,570	+0,10	+9.4496	−9.3354	0.8254	9.9744	....	190	v.2998	7007	5863	
5640	127 45 22,0	6,68	0,557	+0,11	+9.3698	−9.3095	0.8247	9.9745	....	193	ii.1921	7009	5864	J 418
5641	114 34 12,3	6,68	0,502	.....	−7.4150	−9.1412	0.8246	9.9745	....	....	.....	7015		
5642	106 16 56,3	6,67	0,473	+0,01	−9.1824	−8.9696	0.8241	9.9746	....	196	iii.2091	....	....	M661, A395
5643	32 56 57,5	6,66	0,155	.....	−0.0118	+9.4449	0.8233	9.9747	....	....	.....	....	....	G 2377
5644	47 29 27,9	6,65	0,263	.....	−9.9811	+9.3504	0.8229	9.9747	....	....	.....	....	....	G 2376
5645	151 22 29,3	6,64	0,741	.....	+9.7926	−9.4635	0.8223	9.9748	....	....	.....	6995		
5646	145 47 24,7	6,64	0,678	−0,11	+9.7294	−9.4375	0.8222	9.9748	....	....	v.3000	7003	5866	
5647	76 28 19,8	6,64	0,381	.....	−9.8079	+8.8890	0.8222	9.9748	....	....	.....	....	....	B.F 2318
5648	82 29 19,7	6,61	0,400	−0,02	−9.7432	+8.6342	0.8201	9.9750	2139	207	ii.1922			
5649	132 47 37,9	6,61	0,584	+0,31	+9.5092	−9.3498	0.8199	9.9751	....	....	v.3003	7014	5871	
5650	115 20 34,9	6,61	0,505	.....	+8.0792	−9.1491	0.8199	9.9751	....	....	.....	7022		
5651	132 6 24,8	6,58	0,580	+0,14	+9.4933	−9.3422	0.8180	9.9753	....	198	iii.2093	7016	5873	
5652	59 46 33,4	6,58	0,322	−0,04	−9.9297	+9.2177	0.8180	9.9753	2142	212	iii.2099			
5653	121 37 9,4	6,57	0,530	.....	+9.0997	−9.2351	0.8178	9.9753	....	....	.....	7026		
5654	159 1 10,3	6,57	0,877	−0,34	+9.8614	−9.4856	0.8176	9.9753	....	....	.....	6989	5868	
5655	131 33 3,4	6,57	0,577	+0,13	+9.4799	−9.3370	0.8175	9.9754	....	200	iii.2094	7017	5876	
5656	131 35 28,8	6,56	0,578	−0,13	+9.4812	−9.3364	0.8166	9.9755	....	203	iii.2097			
5657	154 57 22,8	6,55	0,796	+0,40	+9.8278	−9.4713	0.8164	9.9755	....	....	.....	6998	5872	
5658	34 19 21,9	6,55	0,168	+0,03	−0.0109	+9.4307	0.8160	9.9755	....	219	iii.2101			
5659	88 31 24,6	6,55	0,419	−0,01	−9.6611	+7.9247	0.8159	9.9756	2140	210	ii.1923			
5660	132 13 29,5	6,54	0,582	+0,14	+9.4968	−9.3408	0.8156	9.9756	....	205	iii.2098	7019	5879	
5661	132 5 56,3	6,53	0,581	+0,37	+9.4940	−9.3388	0.8147	9.9757	....	206	iii.2100	7025	5881	
5662	120 18 55,8	6,51	0,526	.....	+9.0120	−9.2144	0.8135	9.9758	....	....	.....	7033		
5663	110 9 41,1	6,48	0,488	+0,15	−8.9096	−9.0469	0.8117	9.9760	....	214	ii.1924	....	....	M 662
5664	140 25 30,3	6,48	0,635	+0,07	+9.6560	−9.3964	0.8116	9.9761	....	....	v.3005	7024	5882	
5665	120 30 26,2	6,48	0,527	.....	+9.0274	−9.2147	0.8114	9.9761	....	....	.....	7037		
5666	59 56 4,4	6,46	0,323	0,00	−9.9294	+9.2081	0.8105	9.9762	2145	221	ii.1925			
5667	43 45 9,8	6,46	0,241	+0,07	−9.9930	+9.3667	0.8102	9.9762	2149	224	ii.1926			
5668	133 3 54,2	6,45	0,587	+0,14	+9.5179	−9.3419	0.8098	9.9763	....	....	v.3007	7031	5887	
5669	121 55 57,1	6,45	0,533	.....	+9.1222	−9.2307	0.8095	9.9763	....	....	.....	7040		
5670	151 28 50,1	+6,45	−0,746	.....	+9.7957	−9.4510	+0.8094	−9.9763	....	....	.....	7013		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5671	Scorpii	7	16 45 2,42	+3,812	+0,0123	+0,007	−8.3947	−8.8642	+0.5811	+8.0981
5672*	Scorpii	7	45 4,99	3,825	+0,0125	.....	8.3965	8.8663	0.5826	+8.1057
5673*	Ophiuchi	7	45 15,18	3,676	+0,0103	.....	8.3743	8.8451	0.5654	+8.0089
5674	49 Herculis	6	45 15,37	2,726	+0,0019	+0,005	8.3451	8.8159	0.4355	−7.7645
5675	Scorpii	neb.	45 19,58	4,106	+0,0170	−0,012	8.4403	8.9115	0.6134	+8.2415
5676*	Scorpii	7	45 30,64	3,790	+0,0119	.....	8.3889	8.8613	0.5787	+8.0825
5677	51 Herculis	5½	45 32,11	2,482	+0,0012	−0,001	8.3704	8.8430	0.3948	−7.9949
5678*	Scorpii	6½	45 33,03	3,837	+0,0126	.....	8.3956	8.8682	0.5839	+8.1093
5679*	Scorpii	7	45 45,39	3,870	+0,0130	.....	8.3995	8.8735	0.5878	+8.1268
5680*	22 Ophiuchi	6½	45 47,28	3,615	+0,0094	+0,002	8.3634	8.8376	0.5582	+7.9599
5681	Scorpii	6	45 50,55	4,156	+0,0178	.....	8.4457	8.9202	0.6187	+8.2590
5682	Scorpii	6½	46 10,47	3,902	+0,0135	0,000	8.4021	8.8787	0.5913	+8.1412
5683	Aræ ..... ζ	3½	46 13,56	4,933	+0,0346	−0,008	8.5737	9.0506	0.6931	+8.4910
5684*	Scorpii	6½	46 15,49	3,839	+0,0125	.....	8.3919	8.8690	0.5843	+8.1066
5685*	Scorpii	6½	46 17,01	3,828	+0,0123	.....	8.3900	8.8673	0.5830	+8.0999
5686*	Herculis	8	46 33,17	2,715	+0,0019	.....	8.3387	8.8177	0.4338	−7.7699
5687*	Ophiuchi	7	46 33,73	3,670	+0,0101	.....	8.3660	8.8450	0.5647	+7.9967
5688*	23 Ophiuchi	5	46 34,93	3,202	+0,0049	+0,001	8.3244	8.8036	0.5054	+7.3367
5689	Aræ	6	46 43,66	4,605	+0,0265	−0,057	8.5168	8.9969	0.6632	+8.4036
5690*	Scorpii	7	46 46,61	3,836	+0,0124	.....	8.3883	8.8687	0.5839	+8.1014
5691	Aræ	7	46 51,59	5,191	+0,0411	−0,004	8.6097	9.0907	0.7152	+8.5432
5692	25 Ophiuchi ..... ι	4	46 54,83	2,837	+0,0024	−0,001	8.3274	8.8087	0.4529	−7.5846
5693	53 Herculis	5	47 16,83	2,278	+0,0011	−0,009	8.3894	8.8730	0.3576	−8.1131
5694*	Scorpii	7	47 17,07	3,867	+0,0128	.....	8.3900	8.8737	0.5874	+8.1153
5695	Ophiuchi	6	47 22,63	3,448	+0,0073	+0,009	8.3359	8.8201	0.5376	+7.7908
5696	27 Scorpii	6	47 24,88	3,896	+0,0132	−0,011	8.3938	8.8782	0.5906	+8.1301
5697	Aræ ..... ε¹	4	47 38,81	4,752	+0,0296	0,000	8.5357	9.0217	0.6769	+8.4376
5698*	24 Ophiuchi	6½	47 45,68	3,608	+0,0091	+0,003	8.3510	8.8376	0.5572	+7.9412
5699	Aræ	6	47 58,84	4,844	+0,0316	+0,040	8.5485	9.0366	0.6852	+8.4584
5700	Ophiuchi	6½	48 15,32	3,516	+0,0080	−0,006	8.3375	8.8274	0.5461	+7.8567
5701	Aræ	6	48 36,34	4,980	+0,0346	−0,006	8.5664	9.0586	0.6973	+8.4866
5702*	54 Herculis	5½	48 46,64	2,640	+0,0015	−0,008	8.3328	8.8261	0.4217	−7.8383
5703	56 Herculis	6	48 53,18	2,450	+0,0012	−0,005	8.3549	8.8489	0.3892	−7.9964
5704*	Ophiuchi	7	49 6,29	+3,688	+0,0100	.....	8.3532	8.8486	+0.5668	+7.9928
5705	Ursæ Minoris	6	49 49,37	−2,809	+0,1212	.....	8.9770	9.4771	−0.4485	−8.9670
5706	Herculis	6	50 1,10	+1,713	+0,0026	+0,016	8.4664	8.9678	+0.2339	−8.3290
5707	Aræ	6	50 7,20	4,621	+0,0256	.....	8.4984	9.0005	0.6648	+8.3862
5708	27 Ophiuchi ..... κ	4	50 34,36	2,855	+0,0024	−0,017	8.3047	8.8098	0.4555	−7.5274
5709*	Ophiuchi	6	50 46,88	3,662	+0,0094	0,000	8.3395	8.8460	0.5637	+7.9632
5710*	Ophiuchi	7½	50 47,45	3,433	+0,0068	+0,010	8.3141	8.8206	0.5356	+7.7499
5711	26 Ophiuchi	6	50 58,60	3,659	+0,0094	+0,001	8.3380	8.8458	0.5634	+7.9600
5712	Ophiuchi	7	51 0,82	3,486	+0,0074	+0,009	8.3177	8.8257	0.5423	+7.8079
5713	Aræ ..... ε²	5	51 10,97	4,766	+0,0283	−0,001	8.5155	9.0246	0.6781	+8.4178
5714	57 Herculis	6½	51 21,64	2,459	+0,0011	+0,004	8.3386	8.8490	0.3907	−7.9740
5715	Aræ	6	16 51 38,47	+5,076	+0,0354	−0,028	−8.5617	−9.0739	+0.7055	+8.4877

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5671	120 20 9,2	+6,44	−0,526	+0,04	+9.0162	−9.2102	+0.8091	−9.9763	....	215	iii.2102			
5672	120 47 20,5	6,44	0,528	.....	+9.0492	−9.2158	0.8089	9.9764	....	....	.....	7041		
5673	115 32 33,5	6,43	0,508	.....	+8.2305	−9.1403	0.8079	9.9765	....	....	.....	7043		
5674	74 46 15,4	6,43	0,377	+0,02	−9.8245	+8.9251	0.8079	9.9765	2144	223	ii.1927			
5675	129 15 16,3	6,42	0,567	+0,04	+9.4208	−9.3065	0.8075	9.9765	....	216	iii.2103	7038	5889	
5676	119 35 51,2	6,40	0,524	.....	+8.9576	−9.1979	0.8065	9.9767	....	....	.....	7046		
5677	65 5 18,5	6,40	0,343	−0,01	−9.8992	+9.1286	0.8063	9.9767	2147	225	ii.1930			
5678	121 9 8,2	6,40	0,530	.....	+9.0752	−9.2178	0.8062	9.9767	....	....	.....	7044		
5679	122 15 9,2	6,38	0,535	.....	+9.1427	−9.2301	0.8051	9.9768	....	....	.....	7047		
5680	113 15 36,6	6,38	0,500	+0,05	−8.3856	−9.0992	0.8049	9.9768	2143	220	ii.1928	7051		
5681	130 34 39,7	6,38	0,575	.....	+9.4580	−9.3156	0.8046	9.9769	....	....	.....	....	5890	
5682	123 15 27,6	6,35	0,540	−0,12	+9.1967	−9.2396	0.8027	9.9771	....	222	iv.1096	7049		
5683	145 44 45,2	6,35	0,683	+0,06	+9.7322	−9.4175	0.8024	9.9771	....	....	ii.1929	7034	5892	J 419
5684	121 13 36,9	6,34	0,531	.....	+9.0818	−9.2147	0.8023	9.9771	....	....	.....	7053		
5685	120 50 50,6	6,34	0,530	.....	+9.0565	−9.2098	0.8021	9.9771	....	....	.....	7054		
5686	74 20 27,9	6,32	0,376	.....	−9.8287	+8.9296	0.8006	9.9773	....	....	.....	....	....	B.F 2330
5687	115 17 36,7	6,32	0,508	.....	+8.1173	−9.1290	0.8005	9.9773	....	....	.....	7059		
5688	95 54 14,5	6,32	0,443	+0,09	−9.5239	−8.5104	0.8004	9.9773	2146	227	ii.1931	....	....	P 708, J420
5689	140 23 52,1	6,30	0,638	+0,13	+9.6579	−9.3841	0.7996	9.9774	....	....	v.3010	7045	5897	
5690	121 5 40,1	6,30	0,531	.....	+9.0745	−9.2101	0.7993	9.9775	....	....	.....	7058		
5691	149 5 9,0	6,29	0,719	+0,33	+9.7721	−9.4300	0.7988	9.9775	....	....	v.3011	7036	5895	R 482
5692	79 35 1,2	6,29	0,393	+0,04	−9.7771	+8.7535	0.7985	9.9775	2150	233	ii.1932	....	....	P 709
5693	58 2 47,2	6,26	0,316	0,00	−9.9400	+9.2178	0.7964	9.9778	2151	238	ii.1935	....	....	P 710
5694	122 5 7,6	6,26	0,536	.....	+9.1367	−9.2194	0.7964	9.9778	....	....	.....	7060		
5695	106 33 41,5	6,25	0,478	−0,10	−9.1617	−8.9485	0.7958	9.9778	....	232	ii.1934	....	....	W 891
5696	123 0 55,7	6,25	0,540	+0,03	+9.1872	−9.2297	0.7956	9.9778	....	228	iii.2107	....	5901	M 663
5697	142 55 23,3	6,23	0,659	+0,05	+9.6962	−9.3940	0.7943	9.9780	....	....	ii.1933	7050	5900	J 421, R 483
5698	112 54 24,1	6,22	0,500	+0,07	−8.4713	−9.0816	0.7936	9.9781	2148	234	ii.1936	....	....	M 664
5699	144 21 19,8	6,20	0,672	−0,19	+9.7159	−9.4000	0.7923	9.9782	....	....	.....	7052	5905	
5700	109 17 50,7	6,18	0,488	+0,03	−8.9786	−9.0076	0.7907	9.9784	....	236	ii.1937	....	....	M 665
5701	146 19 15,7	6,15	0,691	+0,32	+9.7416	−9.4066	0.7887	9.9786	....	....	v.3014	7057	5909	
5702	71 19 21,5	6,13	0,367	−0,05	−9.8549	+8.9909	0.7876	9.9787	2152	242	ii.1938			
5703	64 1 25,5	6,12	0,340	0,00	−9.9070	+9.1263	0.7870	9.9788	2154	243	iii.2109			
5704	115 51 15,7	6,11	−0,512	.....	+8.3962	−9.1231	0.7857	9.9789	....	....	.....	7070		
5705	12 14 0,6	6,05	+0,391	.....	−0.0102	+9.4692	0.7814	9.9793	....	....	.....	....	....	G 2391
5706	43 12 56,9	6,03	−0,238	+0,03	−9.9966	+9.3406	0.7803	9.9794	....	253	iii.2112			
5707	140 33 53,6	6,02	0,643	.....	+9.6637	−9.3652	0.7796	9.9795	....	....	.....	....	5919	
5708	80 23 16,1	5,98	0,397	−0,02	−9.7689	+8.6974	0.7769	9.9798	2156	252	ii.1940	....	....	P 711
5709	114 51 39,0	5,97	0,510	+0,16	+7.8865	−9.0971	0.7756	9.9799	2153	248	ii.1939	7082	....	M 666, A 397
5710	105 49 43,6	5,97	0,478	.....	−9.1962	−8.9092	0.7756	9.9799	....	250	iii.2113			
5711	114 45 23,0	5,95	0,510	+0,14	+7.7634	−9.0942	0.7745	9.9800	2155	249	ii.1941	7085		M 667
5712	108 0 31,2	5,95	0,486	+0,08	−9.0697	−8.9622	0.7742	9.9800	....	251	ii.1942	....		W 896
5713	143 0 14,9	5,93	0,664	+0,06	+9.7005	−9.3733	0.7732	9.9801	....	....	v.3019	7073	5921	R 484
5714	64 24 45,0	5,92	0,343	−0,01	−9.9053	+9.1053	0.7721	9.9802	2157	257	iii.2114			
5715	147 29 16,0	+5,89	−0,708	+0,03	+9.7580	−9.3941	+0.7704	−9.9804	....	....	.....	7072	5922	R 485

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5716*	Herculis	6½	16 51 50,75	+2,712	+0,0017	.....	−8.3073	−8.8209	+0.4332	−7.7391
5717	Draconis	5½	51 59,27	0,801	+0,0111	.....	8.5990	9.1136	9.9037	−8.5391
5718	Scorpii	6	52 11,08	3,867	+0,0118	−0,001	8.3599	8.8758	0.5874	+8.0831
5719	Aræ	6	52 34,37	5,880	+0,0574	−0,204	8.6688	9.1874	0.7694	+8.6279
5720	Ophiuchi	7	52 42,94	3,374	+0,0060	−0,021	8.2972	8.8168	0.5281	+7.6599
5721	Scorpii	7	52 45,43	3,871	+0,0118	0,000	8.3569	8.8767	0.5879	+8.0815
5722	Aræ	6	52 46,54	4,964	+0,0321	.....	8.5368	9.0567	0.6958	+8.4551
5723	29 Ophiuchi	6	53 4,98	3,503	+0,0073	−0,001	8.3065	8.8286	0.5444	+7.8116
5724	30 Ophiuchi	6	53 9,19	3,160	+0,0042	−0,002	8.2837	8.8062	0.4997	+7.1265
5725*	Scorpii	7	53 9,49	3,859	+0,0115	.....	8.3523	8.8749	0.5864	+8.0718
5726*	Ophiuchi	6½	53 10,50	2,917	+0,0026	.....	8.2856	8.8083	0.4650	−7.3603
5727	Trianguli Aust.....	6	53 11,60	6,343	+0,0722	−0,017	8.7208	9.2436	0.8023	+8.6899
5728	Draconis	6	53 18,85	0,627	+0,0133	.....	8.6149	9.1385	9.7972	−8.5622
5729	Scorpii	6	53 46,16	4,059	+0,0144	0,000	8.3800	8.9068	0.6084	+8.1657
5730*	Ophiuchi	7	54 22,90	3,642	+0,0087	.....	8.3142	8.8452	0.5614	+7.9239
5731	58 Herculis ..... ε	3	54 33,17	2,295	+0,0010	−0,001	8.3413	8.8736	0.3608	−8.0551
5732*	Herculis	6	54 43,66	2,723	+0,0018	.....	8.2880	8.8215	0.4350	−7.7059
5733	28 Ophiuchi	7	54 47,32	3,682	+0,0091	+0,001	8.3166	8.8505	0.5661	+7.9503
5734	Draconis	6	54 51,20	0,595	+0,0134	+0,014	8.6088	9.1432	9.7742	−8.5572
5735	Scorpii	5	54 57,60	3,933	+0,0123	−0,007	8.3520	8.8871	0.5948	+8.0985
5736	Scorpii	6½	55 0,06	4,305	+0,0180	−0,017	8.4131	8.9485	0.6340	+8.2540
5737*	Scorpii	7	55 0,75	3,763	+0,0100	.....	8.3262	8.8617	0.5756	+8.0029
5738*	Ophiuchi	7	55 6,67	3,686	+0,0091	.....	8.3150	8.8512	0.5666	+7.9508
5739*	Scorpii	7	55 8,63	3,847	+0,0111	.....	8.3375	8.8739	0.5851	+8.0513
5740	19 Draconis ..... h^1	5	55 12,55	0,271	+0,0184	+0,032	8.6495	9.1863	9.4330	−8.6080
5741*	Ophiuchi	7	55 13,48	3,677	+0,0090	.....	8.3131	8.8501	0.5655	+7.9437
5742*	Ophiuchi	7	55 19,48	3,643	+0,0086	.....	8.3081	8.8457	0.5615	+7.9178
5743*	Ophiuchi	7	55 23,12	3,620	+0,0083	.....	8.3048	8.8430	0.5588	+7.8998
5744*	31 Ophiuchi	7	55 30,51	3,681	+0,0090	+0,008	8.3117	8.8507	0.5660	+7.9446
5745*	20 Draconis ..... h^2	6	55 40,66	0,282	+0,0181	−0,007	8.6448	9.1850	9.4498	−8.6030
5746*	Ophiuchi	7	55 52,14	3,545	+0,0074	−0,013	8.2929	8.8345	0.5497	+7.8327
5747	59 Herculis ..... d	5	56 4,15	2,211	+0,0010	0,000	8.3441	8.8871	0.3445	−8.0893
5748	Ophiuchi	6	56 14,93	3,318	+0,0053	−0,002	8.2705	8.8148	0.5208	+7.5461
5749	Herculis	5½	56 15,81	2,743	+0,0018	+0,005	8.2762	8.8206	0.4382	−7.6692
5750*	Scorpii	7	56 24,35	3,772	+0,0099	.....	8.3182	8.8636	0.5766	+7.9986
5751	Aræ	5½	56 28,60	5,437	+0,0416	+0,084	8.5821	9.1280	0.7353	+8.5259
5752	Draconis	5½	56 36,84	1,097	+0,0070	+0,015	8.5230	9.0700	0.0401	−8.4462
5753	Herculis	6½	56 45,61	2,754	+0,0018	−0,005	8.2720	8.8199	0.4400	−7.6502
5754	Aræ	7	56 45,84	4,534	+0,0215	+0,016	8.4394	8.9874	0.6564	+8.3150
5755	Ophiuchi	7½	56 47,72	3,708	+0,0091	−0,007	8.3067	8.8549	0.5692	+7.9542
5756*	Scorpii	7	56 56,06	3,812	+0,0103	.....	8.3202	8.8695	0.5811	+8.0184
5757*	Herculis	6	57 3,86	2,755	+0,0018	0,000	8.2699	8.8200	0.4401	−7.6470
5758	Ophiuchi	6	57 14,76	3,574	+0,0076	+0,001	8.2868	8.8383	0.5531	+7.8480
5759	Ophiuchi	7	57 35,70	3,707	+0,0090	−0,003	8.3010	8.8551	0.5690	+7.9476
5760	Ophiuchi	6	16 57 48,53	+3,086	+0,0035	+0,004	−8.2521	−8.8078	+0.4894	+6.3281

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5716	74 19 11,1	+5,88	−0,378	.....	−9.8301	+8.8987	+0.7691	−9.9805	....	....	.....	....	....	B.F 2341
5717	29 23 47,5	5,87	0,112	.....	−0.0196	+9.4062	0.7682	9.9806	....	....	.....	....	....	G 2390
5718	121 54 54,3	5,85	0,540	+0,13	+9.1377	−9.1880	0.7670	9.9807	....	255	ii.1943	7089	5933	
5719	155 30 54,9	5,82	0,821	−2,02	+9.8395	−9.4215	0.7646	9.9809	....	....	.....	7079	5930	
5720	103 19 33,9	5,80	0,471	+0,33	−9.3047	−8.8241	0.7637	9.9810	....	260	iii.2117			
5721	122 1 55,4	5,80	0,541	+0,05	+9.1455	−9.1858	0.7634	9.9810	....	259	iv.1105	7092	5936	
5722	145 56 25,6	5,80	0,693	.....	+9.7404	−9.3794	0.7633	9.9810	....	....	.....	....	5935	
5723	108 39 32,0	5,77	0,489	−0,01	−9.0204	−8.9642	0.7614	9.9812	2158	261	ii.1944	....	....	M 668
5724	93 59 32,9	5,77	0,441	+0,05	−9.5637	−8.3015	0.7609	9.9813	2159	263	ii.1945			
5725	121 36 28,7	5,77	0,539	.....	+9.1219	−9.1781	0.7609	9.9813	....	....	.....	7096		
5726	83 10 40,6	5,77	0,408	.....	−9.7362	+8.5333	0.7608	9.9813	....	....	.....	....	....	B.F 2343
5727	158 37 43,1	5,76	0,886	−0,53	+9.8656	−9.4275	0.7607	9.9813	....	....	.....	7069	5932	
5728	27 39 38,4	5,75	0,088	.....	−0.0212	+9.4050	0.7599	9.9814	....	....	.....	....	....	G 2393
5729	127 37 31,5	5,72	0,567	+0,32	+9.3829	−9.2405	0.7570	9.9816	....	....	iii.3025	7101	5942	
5730	114 1 25,4	5,66	0,510	.....	−7.7709	−9.0606	0.7531	9.9820	....	....	.....	7108		
5731	58 50 55,8	5,65	0,321	−0,07	−9.9384	+9.1635	0.7520	9.9821	2161	272	ii.1948			
5732	74 49 35,1	5,64	0,381	.....	−9.8261	+8.8665	0.7509	9.9821	....	....	.....	....	....	B.F 2345
5733	115 28 45,5	5,63	0,515	+0,08	+8.3243	−9.0819	0.7505	9.9822	....	269	ii.1946	....	....	M 669
5734	27 23 56,3	5,62	0,083	+0,01	−0.0220	+9.3962	0.7501	9.9822	....	282	iii.2124	....	....	G 2395
5735	123 54 23,0	5,62	0,551	+0,05	+9.2438	−9.1937	0.7494	9.9823	....	268	ii.1947	7109	5950	P712, J422
5736	133 53 24,9	5,61	0,603	−0,22	+9.5477	−9.2878	0.7491	9.9823	....	....	v.3029	7106	5949	
5737	118 21 26,5	5,61	0,527	.....	+8.8698	−9.1235	0.7490	9.9823	....	....	.....	7111		
5738	115 36 54,7	5,60	0,516	.....	+8.3766	−9.0820	0.7484	9.9824	....	....	.....	7114		
5739	121 9 15,5	5,60	0,539	.....	+9.0983	−9.1597	0.7482	9.9824	....	....	.....	7110		
5740	24 38 10,6	5,59	0,038	−0,01	−0.0228	+9.4041	0.7478	9.9824	2169	286	ii.1950			
5741	115 17 21,1	5,59	0,515	.....	+8.2504	−9.0761	0.7477	9.9824	....	....	.....	7116		
5742	114 1 32,6	5,59	0,510	.....	−7.7324	−9.0545	0.7470	9.9825	....	....	.....	7119		
5743	113 10 24,4	5,58	0,507	.....	−8.3222	−9.0393	0.7466	9.9825	....	....	.....	7121		
5744	115 25 37,8	5,57	0,516	+0,19	+8.3139	−9.0764	0.7458	9.9826	2160	271	iii.2123	....	....	M 670
5745	24 43 56,8	5,56	0,040	−0,03	−0.0230	+9.4007	0.7447	9.9827	2170	290	iii.2125			
5746	110 16 48,9	5,54	0,497	+0,09	−8.8692	−8.9810	0.7434	9.9828	....	273	ii.1949	....	....	M 671
5747	56 12 40,5	5,52	0,310	−0,03	−9.9520	+9.1851	0.7421	9.9829	2165	280	ii.1952			
5748	100 52 25,3	5,51	0,465	+0,13	−9.3888	−8.7143	0.7409	9.9830	....	277	ii.1951	....	....	W 901
5749	75 41 18,5	5,51	0,385	+0,05	−9.8184	+8.8316	0.7408	9.9830	2163	279	ii.1953	....	....	B.F 2348
5750	118 37 28,4	5,49	0,529	.....	+8.9020	−9.1181	0.7399	9.9831	....	....	.....	7128		
5751	151 28 26,6	5,49	0,763	+0,47	+9.8048	−9.3810	0.7394	9.9831	....	....	.....	7102	5957	
5752	33 5 16,0	5,48	0,154	−0,37	−0.0182	+9.3594	0.7385	9.9832	....	291	iii.2128	....	....	G2399 A400
5753	76 10 39,9	5,46	0,387	+0,02	−9.8138	+8.8135	0.7375	9.9833	2164	283	iii.2127	....	....	B.F 2349
5754	138 40 31,1	5,46	0,636	+0,26	+9.6395	−9.3109	0.7375	9.9833	....	....	.....	7118	....	R 486
5755	116 22 11,2	5,46	0,520	+0,05	+8.5866	−9.0826	0.7373	9.9833	....	278	iii.2126			
5756	119 56 22,3	5,45	0,535	.....	+9.0179	−9.1323	0.7363	9.9834	....	....	.....	7132		
5757	76 12 47,7	5,44	0,387	+0,15	−9.8135	+8.8104	0.7355	9.9834	2166	285	ii.1955	....	....	B.F 2350
5758	111 21 2,4	5,42	0,502	+0,08	−8.7300	−8.9932	0.7342	9.9835	2162	281	ii.1954	....	....	M 672
5759	116 18 16,1	5,39	0,521	+0,06	+8.5775	−9.0762	0.7319	9.9837	....	284	iii.2129	7137	....	M 673
5760	90 40 57,4	+5,38	−0,434	+0,14	−9.6257	−7.5042	+0.7304	−9.9838	....	289	ii.1956			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5761	Aræ	5½	16 57 59,03	+6,106	+0,0593	−0,034	−8.6590	−9.2159	+0.7857	+8.6230
5762*	Scorpii	7	58 7,39	3,841	+0,0105	.....	8.3163	8.8743	0.5844	+8.0266
5763*	61 Herculis ..... *c*	7	58 7,55	2,147	+0,0011	+0,015	8.3400	8.8979	0.3318	−8.1053
5764	Aræ	7	58 17,06	5,119	+0,0328	−0,026	8.5225	9.0816	0.7092	+8.4501
5765	60 Herculis	5	58 25,43	2,774	+0,0019	+0,007	8.2591	8.8192	0.4431	−7.6096
5766*	Aræ	6	58 25,71	5,655	+0,0460	.....	8.5982	9.1584	0.7524	+8.5500
5767*	Ophiuchi	7	58 43,21	3,666	+0,0084	.....	8.2879	8.8502	0.5642	+7.9104
5768*	Scorpii	6½	59 12,63	+3,821	+0,0101	.....	8.3058	8.8718	+0.5822	+8.0072
5769	Ursæ Minoris	6	59 17,55	−1,245	.....	.....	8.7848	9.3514	−0.0951	−8.7662
5770	Scorpii	6	59 19,97	+4,332	+0,0172	.....	8.3873	8.9542	+0.6367	+8.2318
5771	Ophiuchi	6½	59 32,46	3,475	+0,0064	−0,003	8.2605	8.8290	0.5410	+7.7364
5772	Scorpii	5½	16 59 50,36	4,333	+0,0171	−0,015	8.3838	8.9545	0.6368	+8.2283
5773*	Aræ	6	17 0 18,37	5,558	+0,0420	.....	8.5711	9.1453	0.7449	+8.5192
5774	Ophiuchi	6	0 29,55	3,090	+0,0033	+0,006	8.2335	8.8092	0.4900	+6.4187
5775	Herculis	6	0 31,09	1,822	+0,0018	+0,010	8.3764	8.9523	0.2605	−8.2184
5776*	Herculis	6	0 50,42	1,583	+0,0030	.....	8.4141	8.9924	0.1995	−8.2919
5777*	Herculis	7½	1 18,79	2,147	+0,0010	.....	8.3170	8.8990	0.3318	−8.0812
5778*	Scorpii ..... η	3½	1 24,62	4,278	+0,0158	−0,007	8.3629	8.9457	0.6313	+8.1970
5779	Ophiuchi	7	1 25,45	+3,522	+0,0066	+0,001	8.2517	8.8345	+0.5468	+7.7696
5780	22 Ursæ Minoris .. *s*	4	1 29,87	−6,467	+0,2928	−0,055	9.0976	9.6812	−0.8107	−9.0937
5781	35 Ophiuchi ..... η	2½	1 46,80	+3,430	+0,0057	+0,005	8.2403	8.8259	+0.5353	+7.6681
5782	Scorpii	6	1 54,83	4,131	+0,0135	−0,013	8.3346	8.9212	0.6160	+8.1364
5783	Aræ	6	2 7,81	6,085	+0,0546	+0,003	8.6254	9.2137	0.7843	+8.5886
5784	Ophiuchi	7	2 10,47	3,554	+0,0068	+0,002	8.2495	8.8382	0.5507	+7.7930
5785*	21 Draconis ..... μ	4	2 13,87	1,244	+0,0051	−0,008	8.4587	9.0478	0.0949	−8.3702
5786	62 Herculis	7½	2 21,57	2,475	+0,0010	+0,001	8.2615	8.8516	0.3937	−7.8823
5787*	Ophiuchi	6	2 36,13	2,837	+0,0020	.....	8.2251	8.8171	0.4528	−7.4750
5788	Herculis	5	2 42,98	2,125	+0,0011	−0,002	8.3100	8.9030	0.3273	−8.0806
5789	Ophiuchi	7½	2 51,57	3,727	+0,0084	0,000	8.2657	8.8598	0.5713	+7.9205
5790	Herculis	5½	2 53,36	1,956	+0,0014	.....	8.3363	8.9306	0.2913	−8.1507
5791*	Ophiuchi	7	3 0,89	3,677	+0,0079	.....	8.2580	8.8533	0.5655	+7.8850
5792*	Ophiuchi	7	3 2,40	3,747	+0,0086	.....	8.2672	8.8627	0.5737	+7.9326
5793*	Scorpii	6½	3 13,65	3,889	+0,0101	.....	8.2862	8.8832	0.5898	+8.0134
5794	Apodis	6	3 31,74	10,990	+0,2770	−0,021	9.0028	9.6022	1.0410	+8.9970
5795	Draconis	6	4 36,54	1,466	+0,0034	+0,007	8.4044	9.0126	0.1660	−8.2951
5796*	Ophiuchi	7	4 38,95	3,750	+0,0084	.....	8.2551	8.8636	0.5740	+7.9212
5797	Draconis	6	4 44,95	0,955	+0,0074	+0,019	8.4833	9.0927	9.9799	−8.4140
5798*	63 Herculis	7	4 51,23	2,481	+0,0010	+0,026	8.2418	8.8519	0.3946	−7.8582
5799*	Aræ	6	4 51,79	5,587	+0,0394	.....	8.5395	9.1498	0.7471	+8.4882
5800*	Ophiuchi	6½	4 53,93	3,727	+0,0082	−0,002	8.2501	8.8606	0.5713	+7.9041
5801	Draconis	6	4 54,77	1,148	+0,0057	−0,003	8.4526	9.0632	0.0601	−8.3709
5802	37 Ophiuchi	5	5 23,65	2,823	+0,0019	+0,002	8.2046	8.8192	0.4508	−7.4762
5803	Apodis ..... *i*	5½	5 25,22	6,632	+0,0671	+0,006	8.6617	9.2765	0.8216	+8.6345
5804	Scorpii	6	5 28,66	3,926	+0,0102	−0,001	8.2744	8.8898	0.5940	+8.0148
5805	Scorpii	6	17 5 36,79	+4,247	+0,0142	−0,037	−8.3252	−8.9416	+0.6281	+8.1520

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a′	b′	c′	d′						
	° ′ ″	″	″	″										
5761	156 59 51,8	+5,36	−0,858	+0,19	+9.8558	−9.3910	+0.7292	−9.9839	....	....	.....	7107	5962	
5762	120 52 29,0	5,35	0,540	.....	+9.0867	−9.1363	0.7283	9.9840	....	....	.....	7139		
5763	54 22 17,4	5,35	0,302	+0,05	−9.9610	+9.1914	0.7283	9.9840	2168	295	iii.2132			
5764	147 49 22,4	5,34	0,720	−0,26	+9.7670	−9.3525	0.7272	9.9841	....	....	.....	7124	5965	R 487
5765	77 2 55,6	5,32	0,390	−0,02	−9.8055	+8.7745	0.7262	9.9841	2167	293	ii.1957			
5766	153 29 27,1	5,32	0,795	.....	+9.8255	−9.3757	0.7262	9.9841	....	....	.....	7115		
5767	114 47 38,2	5,30	0,516	.....	+8.0212	−9.0445	0.7242	9.9843	....	....	.....	7145		
5768	120 11 26,7	5,26	−0,538	.....	+9.0422	−9.1200	0.7208	9.9845	....	....	.....	7150		
5769	16 38 49,8	5,25	+0,175	.....	−0.0208	+9.3994	0.7202	9.9846	....	....	.....	....	....	G 2411
5770	134 21 25,2	5,25	−0,610	.....	+9.5617	−9.2622	0.7199	9.9846	....	....	.....	....	5971	
5771	107 24 25,7	5,23	0,489	+0,15	−9.0980	−8.8921	0.7185	9.9847	....	297	ii.1958	....	....	B.F 2352
5772	134 21 30,9	5,20	0,610	+0,23	+9.5622	−9.2587	0.7164	9.9849	....	294	v.3039	7147	5975	
5773	152 32 57,7	5,17	0,783	.....	+9.8179	−9.3589	0.7130	9.9851	....	....	.....	7134		
5774	90 52 39,9	5,15	0,436	+0,12	−9.6223	−7.5948	0.7117	9.9852	....	303	ii.1959	....	....	W 906
5775	45 58 53,8	5,15	0,257	+0,04	−9.9929	+9.2512	0.7115	9.9852	....	307	iii.2138	....	....	G 2408
5776	40 59 15,8	5,12	0,223	+0,19	−0.0063	+9.2849	0.7092	9.9854	....	310	iii.2139			
5777	54 28 16,8	5,08	0,303	−0,07	−9.9616	+9.1679	0.7058	9.9856	2172	....	.....	....	....	L 293
5778	133 2 4,8	5,07	0,604	+0,33	+9.5354	−9.2370	0.7051	9.9857	....	302	ii.1960	7155	5987	J 424
5779	109 14 27,4	5,07	−0,497	+0,06	−8.9586	−8.9207	0.7050	9.9857	....	305	iii.2140			
5780	7 43 27,9	5,06	+0,913	0,00	−0.0074	+9.3982	0.7044	9.9857	2201	36	ii.1964			
5781	105 32 1,9	5,04	−0,484	−0,12	−9.2011	−8.8280	0.7024	9.9858	2171	306	ii.1961	....	....	M 675, J 425
5782	129 18 47,2	5,03	0,583	+0,16	+9.4433	−9.2010	0.7015	9.9859	....	....	v.3046	7159	5990	
5783	156 45 22,3	5,01	0,859	−0,95	+9.8564	−9.3609	0.6999	9.9860	....	....	.....	7142	5986	
5784	110 27 23,8	5,01	0,502	+0,19	−8.8338	−8.9408	0.6995	9.9860	....	309	iii.2141			
5785	35 19 53,1	5,00	0,176	−0,03	−0.0175	+9.3085	0.6991	9.9861	2175	4	ii.1962			
5786	65 18 55,7	4,99	0,350	+0,08	−9.9024	+9.0167	0.6982	9.9861	2173	2	iii.2143			
5787	79 45 26,2	4,97	0,401	.....	−9.7776	+8.6441	0.6964	9.9862	....	....	.....	....	....	B.F 2359
5788	53 52 0,0	4,96	0,300	+0,02	−9.9647	+9.1639	0.6955	9.9863	....	3	ii.1963	....	....	P 719
5789	116 50 55,0	4,95	0,527	+0,08	+8.7033	−9.0470	0.6945	9.9864	....	311	iv.1114	7165	....	B.F 2356
5790	49 17 6,5	4,95	0,276	.....	−9.9828	+9.2065	0.6943	9.9864	....	....	.....	....	....	G 2415
5791	115 3 59,1	4,94	0,520	.....	+8.2430	−9.0181	0.6933	9.9864	....	....	.....	7169		
5792	117 34 10,9	4,93	0,530	.....	+8.8055	−9.0563	0.6931	9.9865	....	....	.....	7167		
5793	122 15 6,3	4,92	0,550	.....	+9.1773	−9.1168	0.6917	9.9865	....	....	.....	7166		
5794	170 42 4,9	4,89	1,554	−0,16	+9.9479	−9.3815	0.6895	9.9867	....	....	.....	7088	5982	
5795	38 57 53,9	4,80	0,208	−0,04	−0.0119	+9.2697	0.6812	9.9872	....	19	iii.2146			
5796	117 36 47,8	4,80	0,531	.....	+8.8169	−9.0448	0.6809	9.9872	....	....	.....	7175		
5797	31 32 3,1	4,79	0,135	+0,10	−0.0231	+9.3086	0.6802	9.9873	....	20	iii.2149			
5798	65 34 30,6	4,78	0,351	−0,08	−9.9013	+8.9936	0.6794	9.9873	2177	11	iv.1117	....	....	B.F 2365
5799	152 42 4,4	4,78	0,791	.....	+9.8222	−9.3258	0.6793	9.9873	....	....	.....	7161		
5800	116 47 57,0	4,78	0,528	+0,12	+8.7042	−9.0308	0.6790	9.9873	2174	6	ii.1965	7178	....	B.F 2360
5801	34 2 25,4	4,77	0,163	+0,03	−0.0202	+9.2950	0.6789	9.9873	....	22	iii.2150			
5802	79 13 43,2	4,73	0,400	+0,01	−9.7838	+8.6445	0.6752	9.9876	2178	16	ii.1966			
5803	159 57 18,6	4,73	0,940	−0,06	+9.8832	−9.3456	0.6750	9.9876	....	....	.....	7156	5999	
5804	123 22 8,6	4,73	0,557	+0,06	+9.2358	−9.1127	0.6745	9.9876	....	9	iii.2148	7179	6008	
5805	132 9 37,9	+4,72	−0,602	+0,05	+9.5194	−9.1981	+0.6735	−9.9877	....	....	.....	7177	6009	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5806	Aræ	6	17 5 57,11	+5,280	+0,0319	−0,002	−8.4873	−9.1066	+0.7226	+8.4227
5807	Scorpii	6½	5 59,69	3,933	+0,0101	+0,009	8.2713	8.8909	0.5947	+8.0139
5808	36 Ophiuchi .....A	4½	6 7,91	3,715	+0,0079	−0,032	8.2388	8.8595	0.5700	+7.8864
5809*	Scorpii	6½	6 16,48	3,822	+0,0089	.....	8.2525	8.8744	0.5823	+7.9518
5810	Apodis ..... ζ	4	6 22,89	+6,227	+0,0543	+0,031	8.6082	9.2310	+0.7943	+8.5741
5811	Ursæ Minoris	6	6 25,35	−1,960	+0,0638	.....	8.7902	9.4134	−0.2922	−8.7762
5812	Aræ	7	6 46,68	+4,623	+0,0194	−0,058	8.3781	9.0043	+0.6649	+8.2626
5813*	Ophiuchi	7	7 0,36	3,715	+0,0077	−0,036	8.2316	8.8597	0.5699	+7.8785
5814*	Aræ	6	7 4,48	5,672	+0,0397	.....	8.5327	9.1614	0.7537	+8.4842
5815*	Ophiuchi	7½	7 13,38	3,681	+0,0073	−0,011	8.2255	8.8555	0.5660	+7.8536
5816*	Ophiuchi	7	7 14,68	3,681	+0,0074	.....	8.2254	8.8555	0.5660	+7.8535
5817	Scorpii	5½	7 18,51	3,900	+0,0096	−0,005	8.2555	8.8862	0.5910	+7.9856
5818*	Scorpii	7	7 19,21	3,827	+0,0088	.....	8.2448	8.8756	0.5829	+7.9460
5819*	Aræ	6	7 39,32	4,449	+0,0165	+0,025	8.3421	8.9757	0.6483	+8.2036
5820*	Scorpii	7	7 45,58	3,822	+0,0086	.....	8.2404	8.8749	0.5823	+7.9391
5821	64 Herculis .....α	3½	7 48,55	2,732	+0,0015	+0,002	8.1917	8.8267	0.4365	−7.5923
5822	38 Ophiuchi	6½	8 20,60	3,719	+0,0075	−0,001	8.2212	8.8608	0.5704	+7.8701
5823	22 Draconis ..... ζ	3	8 21,95	0,157	+0,0162	+0,002	8.5620	9.2018	9.1967	−8.5224
5824*	Scorpii	6½	8 34,95	3,897	+0,0093	+0,011	8.2446	8.8863	0.5908	+7.9734
5825	Scorpii	6	8 44,24	3,977	+0,0102	+0,107	8.2556	8.8986	0.5996	+8.0122
5826*	Scorpii	7	8 49,81	3,814	+0,0084	.....	8.2303	8.8742	0.5814	+7.9252
5827	39 Ophiuchi	5½	8 52,27	3,654	+0,0069	0,000	8.2085	8.8527	0.5628	+7.8198
5828	65 Herculis ..... δ	4	8 52,29	2,462	+0,0009	−0,003	8.2116	8.8558	0.3913	−7.8378
5829	Ophiuchi	7	8 52,33	3,654	+0,0069	+0,003	8.2084	8.8527	0.5628	+7.8197
5830	41 Ophiuchi	4½	8 55,17	3,077	+0,0028	+0,005	8.1684	8.8130	0.4881	+5.8439
5831*	Ophiuchi	6	8 57,71	3,649	+0,0069	+0,008	8.2070	8.8520	0.5621	+7.8146
5832	Aræ	6	9 0,65	5,938	+0,0443	−0,063	8.5506	9.1961	0.7736	+8.5098
5833*	Scorpii	6½	9 36,85	3,861	+0,0088	.....	8.2304	8.8812	0.5867	+7.9447
5834	67 Herculis ..... π	3½	9 49,51	2,088	+0,0010	0,000	8.2583	8.9110	0.3197	−8.0376
5835*	Aræ	6	9 57,74	5,600	+0,0360	.....	8.4982	9.1521	0.7482	+8.4469
5836	Aræ	6	10 0,41	5,148	+0,0269	−0,009	8.4332	9.0875	0.7116	+8.3609
5837	Aræ	6	10 48,35	5,381	+0,0309	−0,015	8.4602	9.1218	0.7309	+8.4000
5838*	Ophiuchi	7	10 56,29	3,801	+0,0079	.....	8.2102	8.8729	0.5799	+7.8985
5839	Ophiuchi	6½	11 9,63	3,485	+0,0053	+0,001	8.1700	8.8348	0.5422	+7.6504
5840	Draconis	5½	11 15,17	0,501	+0,0111	+0,007	8.4920	9.1576	9.6996	−8.4421
5841	Ophiuchi	6	11 33,97	2,816	+0,0017	+0,002	8.1537	8.8222	0.4496	−7.4355
5842	68 Herculis ..... u	4	11 47,24	2,213	+0,0009	−0,001	8.2214	8.8920	0.3450	−7.9606
5843	Aræ ..... ι	6	12 0,94	4,489	+0,0156	+0,001	8.3104	8.9831	0.6521	+8.1768
5844	40 Ophiuchi ..... ξ	4½	12 1,09	3,571	+0,0058	+0,021	8.1713	8.8440	0.5528	+7.7246
5845	53 Serpentis ..... γ	4½	12 23,66	3,365	+0,0043	+0,006	8.1490	8.8252	0.5270	+7.4908
5846	Ophiuchi	7	12 29,99	3,674	+0,0066	−0,002	8.1792	8.8564	0.5651	+7.8010
5847	69 Herculis ..... e	4½	12 30,03	2,068	+0,0010	−0,001	8.2376	8.9148	0.3156	−8.0215
5848*	Scorpii	7	12 32,37	3,837	+0,0080	.....	8.2010	8.8785	0.5840	+7.9044
5849*	Ophiuchi	7	12 40,74	3,819	+0,0079	.....	8.1972	8.8761	0.5820	+7.8931
5850	Aræ .....γ	3	17 12 46,98	+5,028	+0,0234	−0,001	−8.3898	−9.0697	+0.7014	+8.3095

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5806	149 31 25,6	+4,69	−0,749	+0,23	+9.7909	−9.3040	+0.6708	−9.9878	....	....	.....	7170	6006	R 488
5807	123 33 28,8	4,68	0,558	−0,07	+9.2453	−9.1108	0.6705	9.9878	....	10	iv.1119	7187		
5808	116 22 36,9	4,67	0,527	+1,14	+8.6365	−9.0148	0.6694	9.9879	2176	17	ii.1967	7192	....	M676,J426
5809	120 1 29,0	4,66	0,542	.....	+9.0453	−9.0653	0.6682	9.9880	....	....	.....	7191		
5810	157 36 19,4	4,65	−0,883	+0,04	+9.8658	−9.3311	0.6674	9.9880	....	....	.....	7162	6007	
5811	14 29 49,1	4,65	+0,278	.....	−0.0214	+9.3508	0.6671	9.9880	....	....	.....	....	....	G 2427
5812	140 1 51,5	4,62	−0,656	−0,89	+9.6693	−9.2465	0.6642	9.9882	....	....	.....	7183	....	R 489
5813	116 19 28,1	4,60	0,527	+1,15	+8.6304	−9.0070	0.6624	9.9883	2179	21	iii.2153	7203	....	B.F 2363
5814	153 25 1,3	4,59	0,805	.....	+9.8302	−9.3111	0.6618	9.9883	....	....	.....	7173		
5815	115 7 48,5	4,58	0,523	.....	+8.3139	−8.9865	0.6606	9.9884	2180					
5816	115 8 12,3	4,58	0,523	.....	+8.3160	−8.9864	0.6605	9.9884	....	....	.....	7208		
5817	122 29 5,1	4,57	0,554	−0,10	+9.1954	−9.0878	0.6599	9.9884	....	23	ii.1969	7202		
5818	120 10 20,2	4,57	0,544	.....	+9.0577	−9.0589	0.6599	9.9884	....	....	.....	7206		
5819	136 37 48,8	4,54	0,632	.....	+9.6129	−9.2164	0.6571	9.9886	....	....	.....	7195	6022	
5820	119 59 4,4	4,53	0,543	.....	+9.0449	−9.0528	0.6563	9.9886	....	....	.....	7212		
5821	75 26 5,5	4,53	0,388	−0,05	−9.8228	+8.7542	0.6559	9.9886	2183	29	ii.1970	....	6026	
5822	116 27 28,4	4,48	0,529	+0,09	+8.6609	−8.9981	0.6515	9.9889	....	27	ii.1971	7220		
5823	24 6 1,6	4,48	0,022	−0,01	−0.0282	+9.3095	0.6513	9.9889	2193	42	ii.1977			
5824	122 22 59,5	4,46	0,554	.....	+9.1923	−9.0761	0.6495	9.9890	....	28	ii.1972	7216		
5825	124 49 2,3	4,45	0,566	+0,38	+9.3019	−9.1026	0.6482	9.9890	....	....	.....	7215	6027	
5826	119 41 43,7	4,44	0,543	.....	+9.0257	−9.0402	0.6474	9.9891	....	....	.....	7222		
5827	114 7 3,2	4,44	0,520	0,00	+7.3802	−8.9562	0.6471	9.9891	2181	32	ii.1973	7224	....	M 678
5828	64 58 49,8	4,44	0,350	+0,15	−9.9061	+8.9711	0.6471	9.9891	2185	35	ii.1976			
5829	114 6 54,5	4,44	0,520	+0,04	+7.3617	−8.9561	0.6471	9.9891	....	31	iv.1123			
5830	90 16 16,5	4,43	0,438	+0,06	−9.6329	−7.0199	0.6467	9.9891	2184	34	ii.1975	....	....	J 427
5831	113 54 4,2	4,43	0,519	+0,12	−7.1761	−8.9517	0.6463	9.9891	2182	33	ii.1974	7225	....	M 679
5832	155 32 39,6	4,43	0,845	+0,03	+9.8502	−9.3029	0.6459	9.9892	....	....	.....	7185	6024	
5833	121 11 49,2	4,37	0,550	.....	+9.1281	−9.0529	0.6408	9.9894	....	....	.....	7227		
5834	53 1 5,5	4,36	0,297	−0,04	−9.9703	+9.1161	0.6391	9.9895	2187	39	ii.1978			
5835	152 42 27,3	4,34	0,797	.....	+9.8252	−9.2844	0.6379	9.9896	....	....	.....	7199		
5836	147 51 8,0	4,34	0,733	+0,11	+9.7750	−9.2630	0.6375	9.9896	....	....	v.3050	7213	6035	
5837	150 31 11,7	4,27	0,767	+0,01	+9.8041	−9.2682	0.6306	9.9899	....	....	v.3052	7214	6038	
5838	119 12 7,2	4,26	0,542	.....	+8.9908	−9.0156	0.6295	9.9900	....	....	.....	7238		
5839	107 35 38,3	4,24	0,497	+0,03	−9.0730	−8.8057	0.6275	9.9901	....	43	ii.1979	....	....	W 911
5840	26 57 15,6	4,23	0,071	+0,03	−0.0286	+9.2745	0.6267	9.9901	....	61	iii.2161	....	....	G 2430
5841	78 58 8,6	4,21	0,402	+0,09	−9.7875	+8.6035	0.6239	9.9902	2191	50	ii.1980	....	....	B.F 2377
5842	56 44 5,1	4,19	0,316	−0,02	−9.9539	+9.0590	0.6220	9.9903	2194	56	ii.1982			
5843	137 18 54,2	4,17	0,640	+0,21	+9.6282	−9.1841	0.6200	9.9904	....	....	v.3053	7236	6046	
5844	110 56 45,9	4,17	0,510	+0,19	−8.7451	−8.8710	0.6199	9.9904	2186	47	ii.1981	....	....	M680,J428
5845	102 41 20,4	4,14	0,480	−0,03	−9.3191	−8.6561	0.6166	9.9906	2190	52	ii.1985	....	....	J 431
5846	114 45 1,6	4,13	0,524	+0,10	+8.1931	−8.9353	0.6156	9.9906	2188	51	iii.2162	7250	....	B.F 2373
5847	52 32 52,1	4,13	0,295	−0,11	−9.9729	+9.0974	0.6156	9.9906	2195	59	ii.1987			
5848	120 20 46,8	4,12	0,548	.....	+9.0788	−9.0165	0.6153	9.9906	....	....	.....	7246		
5849	119 46 20,0	4,11	0,545	.....	+9.0386	−9.0078	0.6140	9.9907	....	....	.....	7248		
5850	146 13 43,8	+4,10	−0,718	0,00	+9.7578	−9.2306	+0.6131	−9.9907	....	....	ii.1983	7233	6048	J429,R490

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5851	42 Ophiuchi ..... θ	3½	17 12 48,15	+3,677	+0,0066	+0,003	−8.1768	−8.8568	+0.5655	+7.8002
5852	Aræ ..... β	3	12 50,58	4,966	+0,0224	0,000	8.3798	9.0602	0.6960	+8.2951
5853	Herculis	6	13 0,24	1,519	+0,0026	+0,026	8.3233	9.0053	0.1815	−8.2067
5854*	Herculis	neb.	13 6	1,845	+0,0015	.....	8.2686	8.9515	0.2660	−8.1033
5855	Scorpii	6	13 21,35	4,336	+0,0132	+0,006	8.2727	8.9580	0.6371	+8.1145
5856	Herculis	6	13 42,59	2,640	+0,0011	+0,013	8.1486	8.8373	0.4215	−7.6436
5857	43 Ophiuchi	6	13 55,54	3,767	+0,0072	+0,003	8.1783	8.8691	0.5760	+7.8498
5858	Ophiuchi	7	13 58,31	3,680	+0,0064	+0,033	8.1664	8.8576	0.5659	+7.7915
5859	Aræ ..... χ^1	5	14 18,14	4,660	+0,0171	−0,046	8.3171	9.0116	0.6684	+8.2045
5860	70 Herculis	5½	14 43,59	2,469	+0,0008	+0,001	8.1582	8.8569	0.3925	−7.7785
5861*	Ophiuchi	7	14 54,12	3,783	+0,0071	.....	8.1712	8.8716	0.5778	+7.8499
5862	Ophiuchi	7	14 55,84	3,646	+0,0060	+0,006	8.1531	8.8537	0.5618	+7.7572
5863	72 Herculis ..... w	6	15 2,95	2,230	+0,0008	+0,011	8.1885	8.8903	0.3483	−7.9206
5864	Aræ	6	15 3,25	4,738	+0,0179	−0,033	8.3224	9.0243	0.6756	+8.2178
5865	Aræ ..... χ^2	5½	15 31,14	4,662	+0,0167	−0,042	8.3056	9.0121	0.6685	+8.1929
5866	Ophiuchi	6	15 43,78	3,582	+0,0054	−0,011	8.1379	8.8465	0.5541	+7.6980
5867	Aræ	6	15 48,12	4,415	+0,0134	+0,006	8.2623	8.9717	0.6450	+8.1171
5868	Ophiuchi	7	15 56,39	3,658	+0,0059	+0,004	8.1447	8.8554	0.5632	+7.7557
5869*	Ophiuchi	7	15 56,63	3,814	+0,0072	.....	8.1655	8.8763	0.5814	+7.8581
5870	Aræ	6	16 1,60	4,760	+0,0179	−0,021	8.3164	9.0281	0.6776	+8.2139
5871	74 Herculis	6	16 6,80	1,693	+0,0018	−0,005	8.2647	8.9772	0.2286	−8.1245
5872	Aræ	6	16 14,45	4,948	+0,0205	−0,015	8.3439	9.0577	0.6944	+8.2575
5873	Ophiuchi	7	16 42,73	3,753	+0,0066	+0,024	8.1494	8.8680	0.5744	+7.8132
5874	Herculis	6	16 48,19	1,964	+0,0011	.....	8.2132	8.9327	0.2931	−8.0224
5875	Ophiuchi	7	16 48,74	3,777	+0,0068	−0,002	8.1517	8.8713	0.5772	+7.8272
5876	44 Ophiuchi ..... b	5	17 12,86	3,656	+0,0057	+0,004	8.1319	8.8557	0.5631	+7.7417
5877	Aræ ..... δ	4	17 34,51	5,398	+0,0268	−0,008	8.3972	9.1248	0.7322	+8.3371
5878*	Ophiuchi	7	17 39,42	3,706	+0,0061	.....	8.1337	8.8621	0.5689	+7.7725
5879*	Ophiuchi	7	17 42,31	3,715	+0,0062	.....	8.1343	8.8633	0.5700	+7.7781
5880	Ophiuchi	7	17 43,95	3,584	+0,0052	+0,005	8.1181	8.8473	0.5544	+7.6789
5881*	45 Ophiuchi ..... d	4	17 46,77	3,821	+0,0070	−0,002	8.1481	8.8778	0.5822	+7.8434
5882*	Ophiuchi	7	17 47,97	3,788	+0,0067	.....	8.1432	8.8731	0.5784	+7.8236
5883*	73 Herculis	6	17 50,31	2,510	+0,0009	+0,012	8.1225	8.8528	0.3996	−7.7162
5884	Ophiuchi	6½	18 4,07	3,817	+0,0069	+0,004	8.1446	8.8773	0.5817	+7.8381
5885	Serpentis	6½	18 10,58	3,423	+0,0041	−0,003	8.0978	8.8317	0.5344	+7.5106
5886	75 Herculis ..... ρ	4	18 30,68	+2,069	+0,0008	+0,004	8.1786	8.9161	+0.3158	−7.9609
5887	Draconis	6	18 33,53	−0,964	+0,0291	.....	8.5876	9.3256	−9.9843	−8.5656
5888	Serpentis	6	18 37,23	+3,359	+0,0037	+0,007	8.0884	8.8270	+0.5262	+7.4194
5889	Aræ	7	18 39,23	5,080	+0,0212	+0,020	8.3393	9.0783	0.7059	+8.2619
5890*	Ophiuchi	5½	18 40,63	3,185	+0,0028	+0,001	8.0792	8.8184	0.5030	+7.0151
5891	Scorpii	6½	18 47,38	4,049	+0,0088	−0,014	8.1720	8.9125	0.6074	+7.9479
5892*	Scorpii	7	19 1,04	3,869	+0,0072	.....	8.1421	8.8850	0.5876	+7.8570
5893	49 Ophiuchi ..... σ	4½	19 4,47	2,972	+0,0019	+0,005	8.0746	8.8182	0.4731	−6.9470
5894*	Ophiuchi	6	19 4,47	2,892	+0,0016	.....	8.0774	8.8209	0.4612	−7.2062
5895*	Herculis	6½	17 19 14,51	+2,076	+0,0009	−0,010	−8.1698	−8.9152	+0.3172	−7.9502

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5851	114 50 41,6	+4,10	−0,525	+0,05	+8.2430	−8.9341	+0.6129	−9.9907	2189	53	ii.1986	7254	....	M682,J432
5852	145 22 50,8	4,10	0,709	+0,09	+9.7475	−9.2257	0.6125	9.9907	....	....	ii.1984	7237	6050	J430, R491
5853	40 8 54,4	4,08	0,217	+0,21	−0.0121	+9.1921	0.6111	9.9908	....	69	iv.1131			
5854	46 53	4,08	0,264	.....	−9.9939	+9.1427	0.6102	9.9909	....	....	.....	....	....	A
5855	134 0 43,4	4,05	0,619	+0,15	+9.5663	−9.1475	0.6078	9.9909	....	54	iii.2163	7247	6051	
5856	71 47 3,9	4,02	0,377	+0,05	−9.8564	+8.7973	0.6046	9.9911	....	68	iii.2167			
5857	117 59 26,4	4,01	0,538	0,00	+8.8848	−8.9718	0.6026	9.9912	2192	60	ii.1988	7260	6059	M 683
5858	114 56 56,5	4,00	0,526	+0,16	+8.2967	−8.9250	0.6021	9.9912	....	62	iv.1134	7261		
5859	140 29 25,9	3,97	0,666	+0,07	+9.6813	−9.1842	0.5991	9.9913	....	....	.....	7253	6060	
5860	65 20 52,8	3,94	0,353	+0,01	−9.9049	+8.9131	0.5951	9.9915	2197	75	ii.1989			
5861	118 30 19,7	3,92	0,541	.....	+8.9375	−8.9699	0.5934	9.9915	....	....	.....	7270		
5862	113 41 44,9	3,92	0,522	+0,01	−7.5185	−8.8950	0.5931	9.9916	....	70	iv.1138	7274		
5863	57 20 8,0	3,91	0,319	+1,00	−9.9517	+9.0219	0.5920	9.9916	2199	80	iii.2169			
5864	141 48 24,0	3,91	0,678	−0,04	+9.7012	−9.1851	0.5919	9.9916	....	....	v.3057	7256	6063	
5865	140 29 26,1	3,87	0,667	+0,08	+9.6821	−9.1726	0.5875	9.9918	....	....	v.3058	7262	6067	
5866	111 17 46,1	3,85	0,513	+0,08	−8.6803	−8.8434	0.5854	9.9919	....	76	ii.1990	....	....	M 684
5867	135 42 9,5	3,84	0,632	+0,16	+9.6014	−9.1373	0.5847	9.9919	....	73	iii.2171	7267	6072	
5868	114 6 0,8	3,83	0,524	−0,03	+7.6721	−8.8922	0.5834	9.9919	2196	77	ii.1991	7279	....	B.F 2380
5869	119 31 31,5	3,83	0,546	.....	+9.0257	−8.9738	0.5834	9.9919	....	....	.....	7278		
5870	142 9 25,5	3,82	0,682	+0,07	+9.7067	−9.1778	0.5826	9.9920	....	....	.....	7265	6074	
5871	43 36 35,0	3,82	0,242	−0,02	−0.0044	+9.1393	0.5817	9.9920	2203	87	iii.2172			
5872	145 2 5,0	3,81	0,709	+0,30	+9.7450	−9.1918	0.5805	9.9920	....	....	.....	7263	6075	
5873	117 27 25,1	3,77	0,538	−0,03	+8.8312	−8.9374	0.5758	9.9922	....	82	iv.1140	7283		
5874	49 52 27,1	3,76	0,281	.....	−9.9845	+9.0819	0.5749	9.9922	....	....	.....	....	....	G 2435
5875	118 16 23,0	3,76	0,541	−0,32	+8.9196	−8.9481	0.5748	9.9922	....	....	.....	7284	6080	
5876	114 1 51,0	3,72	0,524	+0,08	+7.5798	−8.8784	0.5708	9.9924	2198	83	ii.1993	7289	....	M 686
5877	150 33 0,2	3,69	0,774	+0,11	+9.8079	−9.2049	0.5672	9.9925	....	....	ii.1992	7271	6081	J 434
5878	115 48 33,0	3,68	0,531	.....	+8.5717	−8.9030	0.5664	9.9926	....	....	.....	7294		
5879	116 7 23,2	3,68	0,533	.....	+8.6355	−8.9074	0.5659	9.9926	....	....	.....	7296		
5880	111 19 50,3	3,68	0,514	0,00	−8.6684	−8.8242	0.5656	9.9926	....	88	iii.2174			
5881	119 43 32,9	3,67	0,548	+0,20	+9.0438	−8.9582	0.5651	9.9926	2200	86	ii.1994	7293	....	J 435
5882	118 37 36,9	3,67	0,543	.....	+8.9547	−8.9431	0.5649	9.9926	....	....	.....	7295		
5883	66 53 47,4	3,67	0,360	+0,03	−8.8949	+8.8560	0.5645	9.9926	2204	97	ii.1996			
5884	119 35 33,3	3,65	0,547	+0,36	+9.0342	−8.9535	0.5622	9.9927	....	90	ii.1995	....	....	W 915
5885	104 59 40,0	3,64	0,491	+0,15	−9.2170	−8.6717	0.5610	9.9927	....	91	iii.2178			
5886	52 42 45,7	3,61	−0,297	−0,02	−9.9737	+9.0377	0.5576	9.9928	2207	105	ii.1999			
5887	18 3 12,1	3,61	+0,138	.....	−0.0293	+9.2330	0.5571	9.9929	....	....	.....	....	....	G 2437
5888	102 22 30,5	3,60	−0,482	+0,06	−9.3286	−8.5853	0.5565	9.9929	2202	98	ii.1997	....	....	B.F 2387
5889	146 47 44,0	3,60	0,729	+0,22	+9.7675	−9.1765	0.5561	9.9929	....	....	.....	7281		R 492
5890	94 56 58,4	3,60	0,457	+0,11	−9.5408	−8.1895	0.5559	9.9929	....	99	ii.1998	....	....	B.H 1291
5891	126 38 50,9	3,59	0,581	+0,29	+9.3786	−9.0284	0.5547	9.9929	....	....	v.3062	7299	6088	
5892	121 14 52,0	3,57	0,555	.....	+9.1446	−8.9651	0.5523	9.9930	....	....	.....	7302		
5893	85 43 30,1	3,56	0,427	−0,02	−9.7043	+8.1219	0.5517	9.9930	2206	103	ii.2000			
5894	82 16 7,7	3,56	0,415	.....	−9.7501	+8.3783	0.5517	9.9930	....	....	.....	....	....	B.F 2390
5895	52 54 39,0	+3,55	−0,298	.....	−9.9730	+9.0281	+0.5500	−9.9931	2208					

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5896	Ophiuchi	7	17 19 23,85	+3,695	+0,0058	+0,011	−8.1141	−8.8611	+0.5676	+7.7462
5897	Scorpii	7	19 31,59	3,873	+0,0071	0,000	8.1373	8.8858	0.5881	+7.8540
5898*	Scorpii	7	19 37,37	3,862	+0,0071	.....	8.1346	8.8842	0.5868	+7.8467
5899	Aræ .....α	3	20 15,42	4,626	+0,0145	−0,001	8.2505	9.0070	0.6652	+8.1332
5900	Herculis	6	20 20,73	2,586	+0,0009	+0,007	8.0875	8.8450	0.4126	−7.6259
5901	34 Scorpii .....υ	3½	20 34,31	4,069	+0,0086	+0,002	8.1560	8.9161	0.6095	+7.9372
5902	Draconis	6	20 46,94	1,030	+0,0048	+0,003	8.3207	9.0832	0.0129	−8.2451
5903	Ophiuchi	6	21 10,80	3,060	+0,0022	0,000	8.0507	8.8177	0.4857	−5.9511
5904	50 Ophiuchi ..... c^1	7	21 41,51	3,650	+0,0051	−0,003	8.0833	8.8561	0.5623	+7.6878
5905	Serpentis	7	21 52,45	3,437	+0,0038	+0,007	8.0591	8.8340	0.5361	+7.4863
5906	Aræ	6	22 13,75	5,331	+0,0229	+0,019	8.3365	9.1155	0.7268	+8.2728
5907	51 Ophiuchi ..... c^2	5	22 16,18	3,653	+0,0051	+0,007	8.0772	8.8567	0.5627	+7.6838
5908	Scorpii	7	22 18,37	3,886	+0,0067	.....	8.1082	8.8882	0.5895	+7.8289
5909	Ophiuchi	6½	22 25,71	3,718	+0,0055	−0,001	8.0835	8.8649	0.5703	+7.7277
5910*	Ophiuchi	6	22 39	3,092	+0,0022	.....	8.0342	8.8182	0.4903	+6.2460
5911	77 Herculis .....$\varkappa$	5½	22 45,63	1,585	+0,0019	−0,003	8.2106	8.9959	0.2001	−8.0843
5912	Aræ	6	22 52,69	4,558	+0,0128	+0,010	8.2095	8.9962	0.6587	+8.0833
5913	Aræ	6	23 12,84	4,837	+0,0158	−0,002	8.2505	9.0413	0.6846	+8.1542
5914*	Scorpii	7	23 16,55	3,926	+0,0068	.....	8.1029	8.8944	0.5939	+7.8384
5915*	35 Scorpii .....λ	3	23 25,90	4,065	+0,0079	+0,007	8.1226	8.9159	0.6091	+7.9019
5916*	Ophiuchi	7	23 38,47	3,817	+0,0060	.....	8.0827	8.8786	0.5817	+7.7746
5917*	Draconis	6	23 44	0,768	+0,0061	.....	8.3247	9.1217	9.8856	−8.2629
5918	Draconis	6	23 49,80	0,892	+0,0053	+0,005	8.3057	9.1039	9.9505	−8.2377
5919	Ophiuchi	6	23 50,15	3,005	+0,0018	0,000	8.0207	8.8190	0.4779	−6.7158
5920	Serpentis	7	24 15,49	3,484	+0,0038	−0,005	8.0355	8.8389	0.5421	+7.5108
5921	Aræ .....σ	5½	24 29,65	4,458	+0,0112	−0,013	8.1737	8.9800	0.6491	+8.0335
5922	76 Herculis .....λ	4½	24 40,60	2,420	+0,0007	+0,001	8.0573	8.8659	0.3838	−7.7026
5923	Scorpii	6½	24 53,39	3,910	+0,0065	.....	8.0811	8.8924	0.5922	+7.8104
5924	Scorpii	7	24 54,23	3,889	+0,0063	−0,010	8.0778	8.8893	0.5898	+7.7991
5925	Scorpii	5½	24 54,53	3,912	+0,0065	.....	8.0811	8.8926	0.5924	+7.8109
5926	Apodis	6	24 58,51	6,301	+0,0364	+0,059	8.4282	9.2406	0.7994	+8.3946
5927	Herculis	•	25 14,94	2,268	+0,0007	+0,016	8.0712	8.8871	0.3556	−7.7865
5928	Aræ	•	25 23,74	5,163	+0,0188	.....	8.2736	9.0913	0.7129	+8.2007
5929	Herculis	6	25 39,66	2,000	+0,0008	.....	8.1074	8.9285	0.3011	−7.9062
5930	Aræ .....π	6	25 47,32	4,917	+0,0155	−0,020	8.2312	9.0540	0.6917	+8.1413
5931	78 Herculis	6	25 56,19	2,352	+0,0007	+0,003	8.0506	8.8753	0.3715	−7.7295
5932	Scorpii	5½	26 13,69	4,123	+0,0078	+0,005	8.0973	8.9258	0.6153	+7.8917
5933	52 Ophiuchi	7	26 17,25	3,603	+0,0043	0,000	8.0226	8.8518	0.5567	+7.5950
5934*	Apodis	6	26 19,57	7,176	+0,0517	.....	8.5028	9.3326	0.8559	+8.4814
5935	Scorpii .....θ	3	26 32,80	4,300	+0,0091	+0,001	8.1218	8.9544	0.6334	+7.9547
5936*	Octantis	6	26 32,91	35,156	+2,3071	.....	9.3716	0.2045	1.5460	+9.3712
5937	23 Draconis .....β	2½	27 2,88	1,352	+0,0026	+0,001	8.1948	9.0341	0.1308	−8.0938
5938	Scorpii	7	27 11,33	3,898	+0,0060	−0,016	8.0500	8.8912	0.5909	+7.7745
5939*	54 Ophiuchi	6	27 27,68	2,759	+0,0010	0,000	7.9864	8.8313	0.4407	−7.3472
5940*	53 Ophiuchi .....f	6	17 27 29,63	+2,845	+0,0012	+0,002	−7.9805	−8.8258	+0.4540	−7.2067

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5896	115 22 49,0	+3,53	−0,530	+0,15	+8.4742	−8.8782	+0.5483	−9.9932	....	100	iii.2179	7307		
5897	121 22 53,7	3,52	0,556	−0,91	+9.1526	−8.9614	0.5470	9.9932	....	....	.....	7305	6090	
5898	121 1 11,8	3,52	0,555	.....	+9.1319	−8.9558	0.5459	9.9932	....	....	.....	7306		
5899	139 45 0,5	3,46	0,665	+0,10	+9.6734	−9.1196	0.5391	9.9934	....	....	ii.2001	7301	6094	J 436, R 493
5900	69 47 19,4	3,45	0,372	+0,13	−9.8736	+8.7744	0.5382	9.9935	....	109	ii.2003	....	....	Airy (G)
5901	127 10 12,9	3,43	0,585	+0,08	+9.3971	−9.0147	0.5357	9.9935	2205	106	ii.2002	7313	6098	J 437
5902	32 51 1,0	3,42	0,148	−0,06	−0.0266	+9.1555	0.5334	9.9936	....	120	iii.2181			
5903	89 32 40,0	3,38	0,440	+0,12	−9.6452	+7.1272	0.5290	9.9937	....	112	ii.2004	....	....	W 919
5904	113 43 0,8	3,34	0,525	−0,08	−6.8451	−8.8255	0.5233	9.9939	....	113	iii.2182			
5905	105 30 46,8	3,32	0,494	+0,17	−9.1887	−8.6463	0.5213	9.9940	....	114	iv.1152			
5906	149 43 59,7	3,29	0,767	+0,05	+9.8c16	−9.1514	0.5172	9.9941	....	....	v.3065	7309	6105	
5907	113 50 25,5	3,29	0,526	+0,02	+7.2553	−8.8211	0.5168	9.9941	2209	115	ii.2005	7333	....	M 687, J 438
5908	121 42 29,3	3,28	0,559	.....	+9.1741	−8.9348	0.5163	9.9941	....	....	.....	....	6108	
5909	116 8 58,0	3,27	0,535	+0,09	+8.6561	−8.8569	0.5149	9.9941	....	117	ii.2006	7334		
5910	90 56	3,25	0,445	.....	−9.6210	−7.4221	0.5124	9.9942	....	....	.....	....	....	A
5911	41 36 42,6	3,24	0,228	+0,03	−0.0112	+9.0826	0.5111	9.9942	2211	130	iii.2183			
5912	138 24 51,9	3,23	0,656	−0,02	+9.6534	−9.0814	0.5098	9.9943	....	....	v.3067	7323	6111	
5913	143 14 23,2	3,21	0,696	−0,14	+9.7252	−9.1073	0.5059	9.9944	....	....	v.3068	7321	6114	
5914	122 56 30,8	3,20	0,565	.....	+9.2370	−8.9383	0.5051	9.9944	....	....	.....	7337		
5915	126 59 16,1	3,19	0,585	−0,05	+9.3934	−8.9804	0.5033	9.9945	2210	121	ii.2007	7336	6116	M 688, J 439
5916	119 28 5,4	3,17	0,550	.....	+9.0334	−8.8905	0.5008	9.9945	....	....	.....	7341		
5917	29 50	3,16	0,111	.....	−0.0304	+9.1358	0.4997	9.9945	....	....	.....	....	....	A
5918	31 13 16,7	3,15	0,129	−0,04	−0.0291	+9.1284	0.4986	9.9946	....	139	iii.2186			
5919	87 9 34,0	3,15	0,433	+0,06	−9.6833	+7.8914	0.4985	9.9946	....	127	ii.2008	....	....	W 921
5920	107 22 56,2	3,12	0,502	+0,03	−9.0756	−8.6665	0.4935	9.9947	....	128	iii.2185	....	....	M 689
5921	136 23 44,8	3,10	0,642	+0,16	+9.6193	−9.0482	0.4906	9.9948	....	125	v.3070	7340	6121	
5922	63 46 18,9	3,08	0,349	−0,07	−9.9170	+8.8315	0.4884	9.9948	2213	136	ii.2009			
5923	122 25 28,8	3,06	0,564	.....	+9.2138	−8.9129	0.4858	9.9949	....	....	.....	7345		
5924	121 45 52,5	3,06	0,561	+0,38	+9.1798	−8.9047	0.4856	9.9949	....	....	.....	7347	6126	
5925	122 28 17,1	3,06	0,564	.....	+9.2162	−8.9132	0.4855	9.9949	....	....	v.3071	....	6125	
5926	157 45 10,0	3,05	0,908	−0,20	+9.8754	−9.1489	0.4847	9.9949	....	....	.....	7316	6119	
5927	58 43 33,0	3,03	0,327	−0,03	−9.9465	+8.8944	0.4813	9.9950	....	143	iv.1163	....	....	B.F 2401
5928	147 43 2,1	3,02	0,744	.....	+9.7810	−9.1044	0.4795	9.9950	....	....	.....	....	....	R 494
5929	51 0 9,6	2,99	0,288	.....	−9.9820	+8.9728	0.4762	9.9951	....	....	.....	....	....	G 2442
5930	144 23 35,1	2,98	0,709	+0,42	+9.7414	−9.0825	0.4746	9.9951	....	....	v.3072	7342	6127	
5931	61 28 48,5	2,97	0,339	−0,06	−9.9312	+8.8494	0.4727	9.9952	2214	146	ii.2013			
5932	128 31 21,1	2,95	0,595	+0,24	+9.4419	−8.9612	0.4690	9.9953	....	137	v.3073	7350	6133	
5933	111 56 15,2	2,94	0,520	+0,07	−8.5172	−8.7384	0.4683	9.9953	2212	140	ii.2011	....	....	M 690
5934	162 8 37,4	2,94	1,035	.....	+9.9077	−9.1441	0.4678	9.9953	....	....	.....	7317		
5935	132 53 45,6	2,92	0,620	+0,14	+9.5508	−8.9957	0.4649	9.9954	....	138	ii.2012	7351	6134	J 440
5936	177 38 21,1	2,92	5,073	.....	+9.9870	−9.1621	0.4647	9.9954	....	....	.....	....	6058	J 433
5937	37 35 8,2	2,87	0,195	−0,01	−0.0208	+9.0552	0.4584	9.9955	2221	155	ii.2016	....	....	M 694
5938	122 1 36,7	2,86	0,563	+0,27	+9.1959	−8.8789	0.4566	9.9955	....	....	.....	7358	6139	
5939	76 43 55,0	2,84	0,398	+0,03	−9.8127	+8.5116	0.4530	9.9956	2216	151	ii.2014			
5940	80 18 28,7	+2,84	−0,411	+0,02	−9.7742	+8.3765	+0.4525	−9.9956	2215	150	ii.2015	....	....	Airy (G)

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5941	55 Ophiuchi ..... α	2	17 27 58,31	+2,773	+0,0011	+0,008	−7.9785	−8.8304	+0.4429	−7.3198
5942*	56 Ophiuchi	6	28 7,87	2,759	+0,0010	+0,005	7.9774	8.8314	0.4408	−7.3373
5943*	Ophiuchi	7	28 17,06	3,785	+0,0050	.....	8.0191	8.8752	0.5781	+7.6956
5944	Herculis	6	28 22,01	1,905	+0,0009	.....	8.0871	8.9443	0.2799	−7.9071
5945*	Aræ	neb.	28 27,96	4,867	+0,0138	.....	8.1878	9.0465	0.6873	+8.0936
5946*	Ophiuchi	7	28 47,02	3,774	+0,0048	.....	8.0107	8.8738	0.5768	+7.6816
5947	Aræ ..... λ	6	28 49,16	4,612	+0,0112	−0,002	8.1421	9.0057	0.6639	+8.0220
5948	Serpentis	6½	28 59,71	3,437	+0,0031	−0,009	7.9699	8.8360	0.5362	+7.3961
5949*	55 Serpentis ..... ξ	5	29 0,05	3,433	+0,0031	0,000	7.9694	8.8356	0.5357	+7.3908
5950	24 Draconis ..... ν^1	5	29 13,50	1,158	+0,0031	+0,021	8.1952	9.0645	0.0637	−8.1100
5951	25 Draconis ..... ν^2	5	29 18,87	1,159	+0,0031	+0,020	8.1938	9.0644	0.0640	−8.1086
5952*	Ophiuchi	7	29 34,56	3,785	+0,0048	.....	8.0011	8.8755	0.5781	+7.6773
5953	57 Ophiuchi ..... μ	5	29 41,67	3,257	+0,0023	+0,002	7.9483	8.8244	0.5129	+7.0930
5954	Ophiuchi	6	29 44,27	3,601	+0,0038	+0,002	7.9757	8.8524	0.5564	+7.5458
5955*	Ophiuchi	7	29 46,21	3,819	+0,0050	.....	8.0029	8.8802	0.5819	+7.6944
5956*	Ophiuchi	7	29 49,83	3,832	+0,0050	.....	8.0039	8.8820	0.5834	+7.7012
5957	Scorpii	7	29 50,65	3,906	+0,0055	−0,005	8.0145	8.8928	0.5918	+7.7415
5958	Aræ	6	30 2,17	4,484	+0,0097	−0,012	8.1039	8.9851	0.6517	+7.9669
5959	Octantis ..... σ	6	30 4,09	107,504	+21,1441	.....	9.8351	0.7167	2.0314	+9.8351
5960	Scorpii	neb.	30 15,03	3,903	+0,0054	+0,009	8.0081	8.8923	0.5914	+7.7336
5961*	Ophiuchi	7	30 53,03	3,801	+0,0047	.....	7.9842	8.8779	0.5799	+7.6674
5962	Herculis	6	30 54,09	2,278	+0,0005	+0,003	7.9928	8.8868	0.3575	−7.7032
5963	Pavonis..... η	4½	31 1,52	5,870	+0,0241	−0,007	8.2929	9.1888	0.7686	+8.2489
5964*	Scorpii	7	31 11,42	3,904	+0,0053	−0,023	7.9943	8.8927	0.5915	+7.7201
5965	Pavonis.....	6	31 12,71	5,821	+0,0233	−0,029	8.2839	9.1825	0.7650	+8.2384
5966*	Ophiuchi	7	31 17,62	3,770	+0,0045	.....	7.9739	8.8738	0.5764	+7.6428
5967	79 Herculis	6	31 20,45	2,469	+0,0005	+0,001	7.9605	8.8611	0.3925	−7.5766
5968	Scorpii	7	31 51,48	3,901	+0,0051	−0,017	7.9837	8.8923	0.5911	+7.7083
5969	Aræ	7	32 0,23	5,151	+0,0150	−0,017	8.1791	9.0901	0.7119	+8.1050
5970	Scorpii ..... $\varkappa$	3	32 7,07	4,143	+0,0066	+0,003	8.0172	8.9299	0.6173	+7.8155
5971	Aræ ..... μ	5½	32 14,21	+4,754	+0,0112	−0,032	8.1144	9.0289	+0.6771	+8.0094
5972	27 Draconis ..... f	5	32 34,49	−0,253	+0,0119	−0,003	8.3316	9.2516	−9.4036	−8.2995
5973*	Aræ	neb.	32 35,35	+4,521	+0,0091	.....	8.0712	8.9914	+0.6552	+7.9391
5974	Scorpii	6	32 40,21	4,066	+0,0059	−0,005	7.9962	8.9177	0.6092	+7.7743
5975	82 Herculis ..... y	5½	32 42,19	1,561	+0,0014	+0,002	8.0791	9.0011	0.1934	−7.9547
5976	56 Serpentis ..... o	4½	32 59,25	3,372	+0,0025	−0,003	7.9052	8.8318	0.5279	+7.2503
5977*	Scorpii	7	33 13,07	3,931	+0,0050	.....	7.9667	8.8971	0.5945	+7.7022
5978	26 Draconis	6	33 26,43	0,574	+0,0056	+0,037	8.2153	9.1493	9.7588	−8.1612
5979	Telescopii.....	6	33 40,69	5,364	+0,0162	−0,041	8.1831	9.1210	0.7295	+8.1203
5980	Scorpii	7	33 45,97	3,920	+0,0049	−0,012	7.9560	8.8955	0.5933	+7.6873
5981	Ophiuchi	7	33 51,47	3,771	+0,0041	+0,011	7.9334	8.8744	0.5765	+7.6022
5982	Scorpii	6½	33 56,92	4,294	+0,0071	0,000	8.0121	8.9545	0.6329	+7.8430
5983*	Sagittarii	7	33 57,73	3,839	+0,0044	.....	7.9411	8.8838	0.5843	+7.6409
5984	Serpentis	7	34 3,68	3,439	+0,0026	−0,005	7.8928	8.8372	0.5364	+7.3192
5985	Ophiuchi	6½	17 34 13,27	+2,922	+0,0011	−0,003	−7.8768	−8.8239	+0.4656	−6.9236

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5941	77 19 34,1	+2,79	−0,401	+0,19	−9.8067	+8.4852	+0.4461	−9.9958	2218	153	ii.2017	....	6145	M 692
5942	76 45 36,5	2,78	0,399	+0,13	−9.8124	+8.5017	0.4440	9.9958	....	154	iii.2193			
5943	118 20 50,0	2,77	0,547	.....	+8.9465	−8.8162	0.4419	9.9958	....	....	.....	7367		
5944	48 38 48,6	2,76	0,275	.....	−9.9913	+8.9586	0.4408	9.9959	....	....	.....	....	....	G 2444
5945	143 36 22,2	2,75	0,703	.....	+9.7323	−9.0430	0.4395	9.9959	....	....	.....	7356		
5946	117 57 18,1	2,72	0,545	.....	+8.9090	−8.8038	0.4351	9.9960	....	....	.....	7371		
5947	139 18 59,7	2,72	0,666	+0,42	+9.6706	−9.0122	0.4346	9.9960	....	....	v.3074	7363	6146	
5948	105 28 29,2	2,71	0,497	+0,07	−9.1870	−8.5561	0.4321	9.9960	....	156	ii.2018	....	....	B.F 2406
5949	105 17 56,2	2,70	0,496	+0,05	−9.1965	−8.5512	0.4321	9.9960	2217	157	ii.2019	....	....	M693,J441
5950	34 42 42,7	2,69	0,167	−0,03	−0.0260	+9.0416	0.4289	9.9961	2222	168	ii.2022			
5951	34 43 25,1	2,68	0,168	−0,01	−0.0260	+9.0403	0.4277	9.9961	2224	169	ii.2023			
5952	118 19 32,8	2,66	0,547	.....	+8.9460	−8.7980	0.4240	9.9962	....	....	.....	7378		
5953	98 1 18,9	2,64	0,471	−0,01	−9.4645	−8.2648	0.4223	9.9962	2220	161	ii.2021	....	....	J 442
5954	111 49 3,5	2,64	0,521	−0,98	−8.5378	−8.6896	0.4217	9.9962	2219	160	ii.2020	....	....	B.F 2408
5955	119 26 9,4	2,64	0,552	.....	+9.0386	−8.8105	0.4212	9.9962	....	....	.....	7379		
5956	119 52 7,0	2,63	0,554	.....	+9.0697	−8.8154	0.4203	9.9962	....	....	.....	7380		
5957	122 13 42,0	2,63	0,565	+0,07	+9.2084	−8.8449	0.4202	9.9962	....	159	iii.2196	....	6154	
5958	136 49 56,9	2,62	0,648	−0,08	+9.6296	−8.9781	0.4174	9.9963	....	....	v.3075	7374	6153	
5959	179 16 21,9	2,61	15,545	.....	+9.9938	−9.1147	0.4169	9.9963	....	....	.....	....	5912	J 423
5960	122 6 37,3	2,60	0,564	+0,06	+9.2028	−8.8376	0.4143	9.9963	....	162	ii.2024	7382	6156	
5961	118 49 48,6	2,54	0,550	.....	+8.9917	−8.7860	0.4050	9.9965	....	....	.....	7386		
5962	59 7 7,8	2,54	0,330	−0,01	−9.9452	+8.8129	0.4048	9.9965	....	176	iii.2198			
5963	154 38 40,0	2,53	0,849	+0,18	+9.8517	−9.0567	0.4029	9.9965	....	....	ii.2025	7364	6155	J443,R495
5964	122 7 40,4	2,51	0,565	+0,07	+9.2044	−8.8240	0.4004	9.9966	....	167	iii.2197	....	6163	
5965	154 15 2,6	2,51	0,842	+0,52	+9.8483	−9.0525	0.4001	9.9966	....	....	.....	7366	6157	
5966	117 48 41,9	2,51	0,546	.....	+8.8982	−8.7656	0.3989	9.9966	....	....	.....	7389		
5967	65 35 50,6	2,50	0,357	−0,01	−9.9059	+8.7120	0.3982	9.9966	2223	178	ii.2026			
5968	122 1 39,7	2,46	0,565	+0,14	+9.1998	−8.8126	0.3903	9.9967	....	172	iii.2199			
5969	147 27 58,5	2,44	0,746	−0,03	+9.7806	−9.0117	0.3881	9.9968	....	....	.....	7381	....	R 496
5970	128 56 47,4	2,43	0,600	+0,08	+9.4571	−8.8824	0.3863	9.9968	....	174	ii.2027	7393	6169	J 444
5971	141 44 47,7	2,42	−0,688	+0,29	+9.7083	−8.9773	0.3845	9.9968	....	....	v.3077	7385	6166	
5972	21 46 12,5	2,39	+0,037	−0,11	−0.0346	+9.0448	0.3792	9.9969	2234	198	ii.2030			
5973	137 32 2,1	2,39	−0,655	.....	+9.6429	−8.9446	0.3789	9.9969	....	....	.....	7390		
5974	126 51 40,6	2,39	0,589	−0,12	+9.3952	−8.8535	0.3777	9.9969	....	179	iii.2203	7397	6174	
5975	41 19 31,2	2,38	0,226	−0,03	−0.0138	+8.9505	0.3771	9.9969	2227	190	iii.2205			
5976	102 47 22,1	2,36	0,488	+0,02	−9.3084	−8.4155	0.3726	9.9970	2225	184	ii.2028	....	....	J 445
5977	122 56 50,3	2,34	0,569	.....	+9.2455	−8.8022	0.3689	9.9970	....	....	.....	7402		
5978	28 0 28,2	2,32	0,083	+0,36	−0.0337	+9.0090	0.3653	9.9971	....	201	iii.2206			
5979	149 55 16,9	2,30	0,777	−0,10	+9.8076	−8.9964	0.3614	9.9971	....	....	v.3079	7387	6175	
5980	122 35 18,0	2,29	0,568	+0,43	+9.2292	−8.7890	0.3599	9.9972	....	....	.....	7409	6179	
5981	117 48 18,3	2,28	0,546	0,00	+8.9004	−8.7250	0.3584	9.9972	....	186	ii.2029	7412		
5982	132 39 15,1	2,28	0,622	−0,08	+9.5490	−8.8857	0.3569	9.9972	....	....	v.3080	7404	6180	
5983	120 3 35,2	2,27	0,556	.....	+9.0867	−8.7542	0.3567	9.9972	....	....	.....	7411		
5984	105 28 52,5	2,27	0,498	+0,13	−9.1847	−8.4792	0.3551	9.9972	....	188	ii.2031	....	....	M 695
5985	83 36 19,1	+2,25	−0,423	−0,02	−9.7340	+8.0970	+0.3524	−9.9973	....	193	iii.2207			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
5986	Herculis	6	17 34 17,62	+2,263	+0,0005	+0,002	−7.9411	−8.8894	+0.3547	−7.6565
5987	58 Ophiuchi	5	34 26,72	3,597	+0,0032	−0,003	7.9019	8.8528	0.5559	+7.4680
5988*	Herculis	6½	34 55,95	2,462	+0,0005	+0,005	7.9033	8.8626	0.3914	−7.5225
5989*	Ophiuchi	7	35 8,47	3,651	+0,0034	.....	7.8963	8.8593	0.5625	+7.4987
5990*	85 Herculis ..... ι	4	35 14,35	1,690	+0,0011	+0,023	8.0156	8.9803	0.2279	−7.8732
5991	Ophiuchi	6	35 14,87	2,689	+0,0007	+0,005	7.8737	8.8386	0.4296	−7.3147
5992	Ophiuchi	7	35 21,35	3,611	+0,0031	+0,001	7.8878	8.8546	0.5576	+7.4637
5993	Pavonis	6	35 31,30	5,826	+0,0198	−0,029	8.2137	9.1834	0.7654	+8.1682
5994	Herculis	var.	35 33,81	2,461	+0,0005	+0,007	7.8925	8.8629	0.3910	−7.5127
5995	Pavonis	6	36 2,39	5,535	+0,0164	+0,057	8.1659	9.1450	0.7432	+8.1105
5996	69 Ophiuchi ..... β	3	36 3,92	2,963	+0,0012	+0,001	7.8434	8.8230	0.4717	−6.7508
5997	Herculis	6	36 4,87	1,807	+0,0009	.....	7.9815	8.9613	0.2569	−7.8196
5998	Aræ	6	36 7,62	4,994	+0,0115	−0,024	8.0860	9.0666	0.6984	+8.0011
5999*	83 Herculis	6	36 19,49	2,461	+0,0005	−0,002	7.8787	8.8631	0.3910	−7.4988
6000	Pavonis	7	36 32,13	+5,559	+0,0162	+0,049	8.1600	9.1482	+0.7450	+8.1054
6001*	29 Draconis	7	36 50,29	−1,667	+0,0237	−0,010	8.3959	9.3898	−0.2220	−8.3794
6002	61 Ophiuchi	6½	37 2,48	+3,009	+0,0012	+0,006	7.8244	8.8222	+0.4784	−6.4892
6003	Ophiuchi	7½	37 3,39	3,009	+0,0012	−0,004	7.8241	8.8222	0.4784	−6.4887
6004	Scorpii ..... ι^1	3½	37 6,05	4,189	+0,0056	+0,011	7.9390	8.9379	0.6222	+7.7476
6005	84 Herculis	5½	37 12,39	+2,467	+0,0004	−0,006	7.8614	8.8624	+0.3922	−7.4775
6006	28 Draconis ..... ω	4	37 50,04	−0,365	+0,0105	+0,003	8.2510	9.2641	−9.5623	−8.2206
6007	Telescopii.....	6	38 6,07	+5,386	+0,0137	+0,025	8.1059	9.1244	+0.7313	+8.0439
6008	3 Sagittarii	5	38 7,19	3,771	+0,0034	−0,004	7.8562	8.8751	0.5765	+7.5245
6009*	Aræ ..... γ^1	6	38 17,07	4,873	+0,0096	+0,006	8.0260	9.0482	0.6878	+7.9315
6010	Pavonis	6	38 21,27	5,983	+0,0191	+0,018	8.1796	9.2032	0.7769	+8.1384
6011*	Sagittarii	7	38 35,07	3,924	+0,0040	.....	7.8685	8.8967	0.5937	+7.6005
6012	Ophiuchi	neb.	38 36,31	2,936	+0,0009	+0,005	7.7956	8.8242	0.4678	−6.7974
6013	Herculis	6	38 38,89	1,778	+0,0007	.....	7.9367	8.9662	0.2500	−7.7797
6014	Aræ ..... γ^2	6	39 3,83	4,842	+0,0090	−0,003	8.0053	9.0434	0.6850	+7.9081
6015	Sagittarii	7	39 5,16	3,746	+0,0032	0,000	7.8334	8.8719	0.5736	+7.4892
6016	Sagittarii	5½	39 25,80	3,891	+0,0037	−0,004	7.8463	8.8921[a]	0.5901	+7.5662
6017*	Sagittarii	7	39 37,41	3,856	+0,0036	−0,001	7.8371	8.8870	0.5862	+7.5431
6018*	Scorpii	4	39 39,09	4,074	+0,0044	+0,009	7.8693	8.9198	0.6100	+7.6487
6019	Scorpii ..... ι^2	5½	39 41,87	4,190	+0,0050	−0,005	7.8867	8.9382	0.6222	+7.6951
6020	62 Ophiuchi ..... γ	4	40 22,39	3,006	+0,0010	−0,002	7.7566	8.8228	0.4780	−6.4405
6021	86 Herculis ..... μ	4	40 35,46	2,368	+0,0004	−0,024	7.8045	8.8757	0.3743	−7.4734
6022	Aræ	6	40 39,12	4,429	+0,0059	−0,010	7.9046	8.9771	0.6463	+7.7582
6023*	Ophiuchi	7	40 47,69	3,668	+0,0026	.....	7.7865	8.8622	0.5645	+7.3984
6024	Sagittarii	6½	40 58,34	3,750	+0,0029	+0,001	7.7928	8.8726	0.5740	+7.4499
6025	Pavonis	6	41 16,76	6,018	+0,0168	−0,036	8.1207	9.2076	0.7794	+8.0803
6026	Sagittarii	7	41 33,55	3,856	+0,0032	+0,005	7.7938	8.8872	0.5861	+7.4993
6027*	Ophiuchi	7½	42 2,01	3,633	+0,0024	+0,003	7.7533	8.8581	0.5603	+7.3429
6028	Scorpii	6	42 10,10	4,268	+0,0047	+0,021	7.8430	8.9511	0.6303	+7.6680
6029	Scorpii	6	42 13,72	3,995	+0,0036	−0,004	7.7983	8.9079	0.6016	+7.5542
6030	Herculis	6	17 42 17,43	+2,604	+0,0004	+0,017	−7.7366	−8.8478	+0.4156	−7.2560

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
5986	58 42 51,1	+2,25	−0,328	+0,01	−9.9479	+8.7644	+0.3512	−9.9973	....	196	iii.2208			
5987	111 36 13,7	2,23	0,521	−0,07	−8.5752	−8.6125	0.3486	9.9973	2226	192	ii.2032	....	....	M696,J446
5988	65 24 31,1	2,19	0,357	−0,07	−9.9076	+8.6573	0.3403	9.9974	2228	200	iii.2211			
5989	113 35 59,6	2,17	0,529	.....	+6.4771	−8.6369	0.3367	9.9974	....	....	.....	7417		
5990	43 54 40,7	2,16	0,245	−0,01	−0.0074	+8.8903	0.3350	9.9975	2233	211	ii.2035			
5991	73 58 27,6	2,16	0,390	−0,07	−9.8399	+8.4736	0.3348	9.9975	....	203	ii.2034	....	....	W 932
5992	112 7 21,5	2,15	0,524	+0,13	−8.4409	−8.6066	0.3329	9.9975	....	195	ii.2033			
5993	154 14 42,5	2,14	0,845	+0,30	+9.8494	−8.9823	0.3300	9.9975	....	....	.....	7396	6188	
5994	65 20 53,8	2,13	0,357	+0,01	−9.9080	+8.6473	0.3293	9.9975	....	207	iii.2213			
5995	151 39 17,4	2,09	0,803	+0,54	+9.8256	−8.9630	0.3207	9.9976	....	....	v.3081	7403	6190	
5996	85 21 56,8	2,09	0,430	−0,17	−9.7100	+7.9254	0.3203	9.9976	2229	209	ii.2036			
5997	46 27 13,7	2,09	0,262	.....	−9.9999	+8.8560	0.3200	9.9976	....	....	.....	....	....	G 2457
5998	145 20 21,2	2,09	0,724	−0,01	+9.7569	−8.9321	0.3192	9.9976	....	....	v.3082	7413	6193	
5999	65 21 22,0	2,07	0,357	−0,05	−9.9081	+8.6335	0.3156	9.9977	2232	213	iv.1185	....	....	A 413
6000	151 52 18,8	2,05	−0,806	+0,60	+9.8278	−8.9549	0.3117	9.9977	....	....	.....	7408	6194	R 497
6001	15 40 58,1	2,02	+0,242	−0,02	−0.0315	+8.9874	0.3061	9.9978	2240	242	iii.2217	....	....	G 2460
6002	87 21 5,2	2,01	−0,437	0,00	−9.6808	+7.6648	0.3023	9.9978	2231	215	iii.2216			
6003	87 21 8,5	2,00	0,437	+0,10	−9.6808	+7.6644	0.3020	9.9978	....	216	iv.1188			
6004	130 3 47,3	2,00	0,608	+0,14	+9.4890	−8.8076	0.3011	9.9978	....	210	ii.2037	7425	6198	J 447
6005	65 36 10,4	1,99	−0,358	−0,11	−9.9064	+8.6129	0.2991	9.9979	2235	218	ii.2038			
6006	21 10 25,5	1,94	+0,053	−0,28	−0.0354	+8.9545	0.2870	9.9980	2238	241	ii.2041			
6007	150 6 28,1	1,91	−0,782	−0,15	+9.8107	−8.9176	0.2818	9.9980	....	....	v.3083	7419	6200	R 498
6008	117 46 2,3	1,91	0,548	0,00	+8.9020	−8.6475	0.2814	9.9980	2230	217	ii.2039	7440	....	M697,J448
6009	143 33 21,7	1,90	0,708	−0,12	+9.7348	−8.8814	0.2782	9.9981	....	....	v.3084	7426	6204	
6010	155 26 3,6	1,89	0,869	+0,06	+9.8603	−8.9333	0.2768	9.9981	....	....	.....	7416	6201	
6011	122 39 3,1	1,87	0,570	.....	+9.2350	−8.7019	0.2721	9.9981	....	....	.....	7441		
6012	84 14 13,2	1,87	0,426	−0,19	−9.7258	+7.9713	0.2717	9.9981	....	226	iii.2221			
6013	45 50 53,2	1,87	0,258	.....	−0.0021	+8.8116	0.2709	9.9981	....	....	.....	....	....	G 2459
6014	143 4 26,4	1,83	0,703	−0,30	+9.7287	−8.8629	0.2623	9.9982	....	....	v.3085	7428	6208	
6015	116 54 56,6	1,83	0,544	+0,13	+8.8048	−8.6155	0.2619	9.9982	....	223	ii.2040	7450	....	M 698
6016	121 38 44,7	1,80	0,565	+0,07	+9.1853	−8.6724	0.2547	9.9983	....	227	ii.2042	7451		
6017	120 32 15,5	1,78	0,560	.....	+9.1216	−8.6543	0.2506	9.9983	....	231	ii.2044	7453	....	W 934
6018	126 59 22,3	1,78	0,592	+0,07	+9.4026	−8.7272	0.2500	9.9983	....	229	ii.2043	7449	6214	P 755,J449
6019	130 2 9,0	1,77	0,609	+0,06	+9.4891	−8.7552	0.2490	9.9983	....	228	iii.2223	7447	6213	
6020	87 13 53,8	1,72	0,437	+0,07	−9.6827	+7.6161	0.2344	9.9984	2236	239	ii.2045			
6021	62 11 16,4	1,70	0,344	+0,72	−9.9288	+8.5962	0.2295	9.9984	2237	244	ii.2046			
6022	135 33 0,3	1,69	0,644	+0,03	+9.6100	−8.7795	0.2282	9.9985	....	....	v.3087	7454	6220	
6023	114 9 27,5	1,68	0,533	.....	+8.0719	−8.5347	0.2250	9.9985	....	....	.....	7460		
6024	117 0 25,9	1,66	0,545	+0,03	+8.8189	−8.5759	0.2209	9.9985	....	238	iii.2225	7461		
6025	155 40 7,5	1,64	0,875	+0,32	+9.8629	−8.8713	0.2139	9.9986	....	....	.....	7432	6219	
6026	120 30 29,0	1,61	0,561	+0,11	+9.1209	−8.6107	0.2074	9.9986	....	243	ii.2047	7465	....	W 935
6027	112 52 11,4	1,57	0,528	+0,17	−8.0934	−8.4834	0.1961	9.9987	....	247	iii.2228	....	....	M 699
6028	131 56 33,0	1,56	0,621	+0,15	+9.5361	−8.7156	0.1928	9.9987	....	....	v.3088	7463	6227	
6029	124 45 8,4	1,55	0,581	+0,03	+9.3257	−8.6450	0.1913	9.9987	....	245	iii.2229	....	6228	
6030	70 41 35,0	+1,55	−0,379	+0,01	−9.8688	+8.4069	+0.1898	−9.9987	....	255	iii.2231			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6031	Scorpii	6	17 42 21,57	+3,982	+0,0035	−0,021	−7.7931	−8.9060	+0.6001	+7.5448
6032*	Sagittarii	7	42 40,99	3,879	+0,0030	.....	7.7698	8.8907	0.5888	+7.4847
6033	87 Herculis	6	42 44,25	2,430	+0,0003	0,000	7.7456	8.8679	0.3855	−7.3825
6034	Serpentis	7	42 56,81	3,542	+0,0020	+0,009	7.7207	8.8483	0.5493	+7.2437
6035*	Ophiuchi	6½	43 3,15	2,838	+0,0006	.....	7.6990	8.8292	0.4530	−6.9343
6036	Herculis	7	43 6,53	1,607	+0,0008	.....	7.8627	8.9944	0.2060	−7.7315
6037	Scorpii	6	43 18,96	3,994	+0,0034	.....	7.7707	8.9078	0.6014	+7.5258
6038*	Scorpii	6	43 23,05	3,999	+0,0034	+0,002	7.7697	8.9086	0.6020	+7.5267
6039*	Sagittarii	7	43 26,38	3,903	+0,0030	.....	7.7539	8.8943	0.5914	+7.4779
6040	Telescopii.....	7	43 26,61	5,407	+0,0105	.....	7.9872	9.1276	0.7330	+7.9260
6041	Serpentis	7	43 29,44	3,532	+0,0019	+0,003	7.7056	8.8473	0.5480	+7.2199
6042*	Scorpii	6	43 47,63	3,996	+0,0033	.....	7.7584	8.9081	0.6016	+7.5142
6043	Scorpii	6	43 54,73	3,995	+0,0032	−0,004	7.7550	8.9080	0.6015	+7.5105
6044*	Sagittarii	7	44 10,71	3,757	+0,0024	.....	7.7137	8.8739	0.5749	+7.3743
6045	Scorpii	6	44 22,97	3,999	+0,0031	.....	7.7428	8.9087	0.6020	+7.4996
6046	Scorpii	6	44 28,90	+3,985	+0,0031	.....	7.7379	8.9066	+0.6004	+7.4902
647*	31 Draconis .....ψ^1	4½	44 36,63	−1,090	+0,0115	−0,006	8.1659	9.3381	−0.0373	−8.1446
6048*	Draconis	6	44 38,58	−1,092	+0,0115	−0,002	8.1651	9.3384	−0.0381	−8.1439
6049	Serpentis	6	44 43,54	+3,327	+0,0013	−0,003	7.6552	8.8308	+0.5220	+6.9303
6050	Telescopii.....	6	44 54,54	5,114	+0,0079	+0,005	7.9044	9.0853	0.7088	+7.8273
6051	Scorpii	6	44 59,21	4,056	+0,0032	−0,011	7.7344	8.9175	0.6081	+7.5082
6052	30 Draconis	5½	45 29,35	1,434	+0,0010	−0,005	7.8246	9.0225	0.1564	−7.7140
6053*	63 Ophiuchi	6½	45 40,33	3,689	+0,0020	+0,004	7.6618	8.8653	0.5669	+7.2854
6054	Serpentis	6	45 46,39	3,337	+0,0012	−0,005	7.6251	8.8316	0.5234	+6.9172
6055	Scorpii	6	45 50,20	4,373	+0,0042	−0,020	7.7600	8.9684	0.6408	+7.6042
6056	88 Herculis .....z	6	46 7,88	1,566	+0,0008	+0,001	7.7837	9.0013	0.1947	−7.6577
6057*	Sagittarii	7	46 28,27	3,919	+0,0025	.....	7.6684	8.8968	0.5932	+7.3979
6058*	Sagittarii	7	47 0,39	3,926	+0,0024	.....	7.6519	8.8979	0.5940	+7.3840
6059*	Sagittarii	7	47 3,71	3,743	+0,0019	.....	7.6245	8.8723	0.5732	+7.2776
6060	Serpentis	6½	47 5,71	3,524	+0,0015	−0,006	7.5980	8.8470	0.5471	+7.1055
6061	Scorpii	5½	47 8,67	4,260	+0,0034	+0,004	7.6994	8.9500	0.6294	+7.5223
6062*	Herculis	5½	47 12,14	1,950	+0,0003	+0,009	7.6865	8.9391	0.2900	−7.4947
6063*	Sagittarii	6½	47 14,76	3,782	+0,0020	.....	7.6234	8.8775	0.5777	+7.2955
6064*	Ophiuchi	7	47 19,73	3,608	+0,0016	−0,007	7.5989	8.8559	0.5573	+7.1712
6065	Serpentis	6	47 41,34	3,448	+0,0013	−0,006	7.5705	8.8400	0.5376	+7.0050
6066*	Serpentis	7	47 57,67	3,663	+0,0016	+0,001	7.5831	8.8623	0.5638	+7.1909
6067	Pavonis.....	6	48 13,31	6,145	+0,0113	+0,021	7.9343	9.2230	0.7885	+7.8967
6068	90 Herculis.....f	5½	48 24,35	1,949	+0,0003	−0,004	7.6438	8.9393	0.2897	−7.4522
6069	Ophiuchi	6	48 40,19	3,054	+0,0006	+0,007	7.5178	8.8234	0.4849	−5.6032
6070*	Scorpii	6	48 44,54	4,071	+0,0025	+0,004	7.6117	8.9201	0.6097	+7.3895
6071	Serpentis	6	48 52,79	3,165	+0,0007	+0,007	7.5108	8.8245	0.5004	+6.3603
6072*	Sagittarii	6½	49 7,89	3,803	+0,0018	.....	7.5568	8.8805	0.5801	+7.2387
6073	89 Herculis	5½	49 22,62	2,417	+0,0002	+0,008	7.5365	8.8701	0.3833	−7.1795
6074	Sagittarii	5	49 27,42	3,849	+0,0018	+0,003	7.5500	8.8869	0.5853	+7.2520
6075	Sagittarii	7	17 49 42,55	+3,822	+0,0017	.....	−7.5357	−8.8831	+0.5823	+7.2261

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6031	124 22 12,1	+1,54	−0,579	+0,02	+9.3111	−8.6376	+0.1881	−9.9987	....	248	iv.1196	7467	6230	
6032	121 14 33,1	1,51	0,564	.....	+9.1650	−8.5928	0.1801	9.9988	....	....	.....	7469		
6033	64 19 1,7	1,51	0,353	−0,21	−9.9156	+8.5134	0.1787	9.9988	2239	259	ii.2048			
6034	109 28 37,8	1,49	0,515	+0,19	−8.8842	−8.3942	0.1735	9.9988	....	253	iii.2233			
6035	80 6 0,3	1,48	0,413	.....	−9.7774	+8.1039	0.1708	9.9988	....	....	.....	....	....	B.F 2429
6036	42 20 2,2	1,48	0,234	.....	−0.0126	+8.7359	0.1693	9.9988	....	....	.....	....	....	B.F 2433
6037	124 41 16,2	1,46	0,581	.....	+9.3239	−8.6169	0.1640	9.9989	....	....	.....	....	6236	
6038	124 51 7,0	1,45	0,582	+0,06	+9.3302	−8.6169	0.1622	9.9989	....	254	v.3091	....	6238	
6039	121 58 52,2	1,45	0,568	.....	+9.2047	−8.5825	0.1607	9.9989	....	....	.....	7477		
6040	150 17 21,4	1,45	0,787	.....	+9.8137	−8.7972	0.1606	9.9989	....	....	.....	....	6232	R 499
6041	109 4 36,7	1,44	0,514	+0,09	−8.9248	−8.3715	0.1594	9.9989	....	257	iii.2235	....	....	M 700
6042	124 44 41,7	1,42	0,581	.....	+9.3261	−8.6050	0.1514	9.9989	....	256	.....	....	6240	
6043	124 42 46,8	1,41	0,581	+0,13	+9.3251	−8.6014	0.1482	9.9989	....	258	iii.2236	7478	6241	
6044	117 14 24,7	1,38	0,547	.....	+8.8500	−8.4993	0.1409	9.9990	....	....	.....	7480		
6045	124 50 24,6	1,37	0,582	.....	+9.3300	−8.5899	0.1353	9.9990	....	....	v.3092	....	6243	
6046	124 25 43,7	1,36	−0,580	.....	+9.3143	−8.5827	0.1325	9.9990	....	....	v.3093	....	6246	
6047	17 46 43,7	1,35	+0,159	+0,25	−0.0345	+8.8055	0.1290	9.9990	2251	286	iii.2240			
6048	17 46 13,6	1,34	+0,159	+0,26	−0.0344	+8.8046	0.1280	9.9990	2252	287	iv.1203	....	....	B.F 2459
6049	100 51 32,6	1,34	−0,484	+0,18	−9.3769	−8.0985	0.1257	9.9990	....	265	iii.2238	....	....	M 701
6050	146 51 45,2	1,32	0,744	−0,16	+9.7769	−8.7411	0.1204	9.9991	....	....	v.3094	7471	6245	
6051	126 26 24,6	1,31	0,590	+0,26	+9.3867	−8.5898	0.1182	9.9991	....	....	v.3095	7483	6249	
6052	39 10 52,8	1,27	0,209	−0,19	−0.0203	+8.6906	0.1035	9.9991	2243	278	iii.2242			
6053	114 51 12,1	1,25	0,537	+0,17	+8.4099	−8.4193	0.0979	9.9992	2241	267	ii.2049	7491		
6054	101 18 4,0	1,24	0,486	+0,09	−9.3617	−8.0848	0.0949	9.9992	....	270	iii.2241	....	....	M 702
6055	134 18 35,9	1,24	0,637	+0,05	+9.5874	−8.6349	0.0929	9.9992	....	....	.....	7485	6253	
6056	41 33 47,9	1,21	0,228	−0,01	−0.0149	+8.6556	0.0838	9.9992	2244	282	iii.2246			
6057	122 26 21,9	1,18	0,571	.....	+9.2287	−8.5003	0.0731	9.9992	....	....	.....	7494		
6058	122 39 8,7	1,14	0,572	.....	+9.2388	−8.4853	0.0555	9.9993	....	....	.....	7502		
6059	116 44 10,9	1,13	0,545	.....	+8.7896	−8.4046	0.0537	9.9993	....	....	.....	7506		
6060	108 46 10,7	1,13	0,513	+0,02	−8.9523	−8.2579	0.0526	9.9993	....	277	iii.2248	....	....	M 703
6061	131 41 17,8	1,12	0,620	+0,09	+9.5314	−8.5716	0.0509	9.9993	....	272	iv.1207	7497	6258	
6062	49 58 59,7	1,12	0,284	−0,02	−9.9887	+8.5550	0.0490	9.9993	2245	289	iii.2251	....	....	G 2479
6063	118 2 13,6	1,12	0,551	.....	+8.9360	−8.4174	0.0475	9.9993	....	....	.....	7508		
6064	111 55 46,7	1,11	0,525	+0,44	−8.4728	−8.3147	0.0446	9.9993	....	279	iii.2250	....	....	M 704
6065	105 46 54,6	1,08	0,502	+0,19	−9.1644	−8.1644	0.0321	9.9994	....	281	ii.2050	....	....	M 705
6066	113 54 42,3	1,05	0,533	+0,04	+7.9085	−8.3280	0.0224	9.9994	2242	283	iii.2253			
6067	156 31 12,8	1,03	0,895	−0,24	+9.8711	−8.6732	0.0129	9.9994	....	....	.....	7481	6260	
6068	49 57 41,7	1,01	0,284	−0,04	−9.9889	+8.5123	0.0061	9.9994	2248	295	iii.2255	....	....	G 2484
6069	89 18 8,8	0,99	0,445	+0,03	−9.6494	+6.7793	9.9961	9.9995	....	291	iii.2254			
6070	126 50 7,0	0,99	0,593	−0,05	+9.4005	−8.4689	9.9933	9.9995	....	....	v.3102	7513	6265	
6071	94 3 19,2	0,97	0,461	+0,07	−9.5591	−7.5353	9.9880	9.9995	....	293	ii.2051	....	....	B.F 2434
6072	118 43 57,8	0,95	0,554	.....	+8.9987	−8.3577	9.9781	9.9995	....	....	.....	7519		
6073	63 55 19,3	0,93	0,352	−0,04	−9.9185	+8.3090	9.9681	9.9995	2249	298	ii.2053			
6074	120 13 55,8	0,92	0,561	+0,08	+9.1076	−8.3646	9.9649	9.9995	....	294	ii.2052	7521	....	P 760
6075	119 21 10,6	+0,90	−0,557	.....	+9.0469	−8.3425	+9.9544	−9.9996	....	....	.....	....	6272	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6076*	Sagittarii	7	17 50 3,32	+3,951	+0,0019	.....	−7.5395	−8.9018	+0.5967	+7.2801
6077	4 Sagittarii	5	50 38,12	3,660	+0,0012	+0,001	7.4737	8.8621	0.5634	+7.0795
6078	64 Ophiuchi ..... ν	4	50 46,27	3,300	+0,0007	+0,004	7.4351	8.8299	0.5185	+6.6639
6079	32 Draconis ..... ξ	3½	50 56,25	1,022	+0,0011	+0,014	7.6836	9.0863	0.0092	−7.6066
6080*	5 Sagittarii	7	51 0,01	3,673	+0,0012	+0,010	7.4580	8.8638	0.5650	+7.0719
6081	Sagittarii	6½	51 4,84	3,565	+0,0011	−0,001	7.4419	8.8515	0.5521	+6.9826
6082	91 Herculis ..... θ	4	51 6,67	2,054	+0,0002	+0,001	7.5117	8.9228	0.3126	−7.2939
6083	Sagittarii	6	51 40,04	4,054	+0,0018	−0,010	7.4785	8.9177	0.6079	+7.2515
6084*	92 Herculis ..... ξ	4	51 56,24	2,322	+0,0002	+0,010	7.4294	8.8830	0.3658	−7.1186
6085	57 Serpentis ..... ζ	5	52 33,77	3,156	+0,0005	+0,013	7.3359	8.8246	0.4992	+6.1428
6086	6 Sagittarii	7	52 40,16	3,483	+0,0008	−0,001	7.3486	8.8434	0.5419	+6.8181
6087	94 Herculis ..... ν	5	52 45,96	2,293	+0,0001	+0,003	7.3864	8.8871	0.3603	−7.0881
6088	Sagittarii	6	52 49,08	3,632	+0,0010	−0,004	7.3552	8.8589	0.5601	+6.9429
6089*	66 Ophiuchi	5	52 50,31	2,968	+0,0003	+0,003	7.3199	8.8250	0.4725	−6.2031
6090	Pavonis.....	6	53 6,62	5,879	+0,0057	−0,009	7.6687	9.1906	0.7693	+7.6244
6091	33 Draconis ..... γ	2	53 7,51	1,390	+0,0005	+0,004	7.5068	9.0296	0.1430	−7.4004
6092	67 Ophiuchi	4	53 8,35	3,002	+0,0004	+0,008	7.3006	8.8243	0.4774	−6.0112
6093	Telescopii.....	6	53 20,13	5,258	+0,0038	−0,019	7.5702	9.1065	0.7208	+7.5013
6094	93 Herculis	5	53 22,63	2,668	+0,0002	−0,001	7.3035	8.8426	0.4262	−6.7636
6095	Herculis	6	53 25,37	1,805	+0,0002	.....	7.4206	8.9627	0.2566	−7.2579
6096*	Ophiuchi	6	53 34,05	2,924	+0,0003	+0,011	7.2746	8.8264	0.4659	−6.3135
6097*	7 Sagittarii	6	53 39,67	3,673	+0,0008	−0,001	7.3059	8.8640	0.5651	+6.9199
6098	Sagittarii	6	53 40,36	3,577	+0,0008	−0,003	7.2940	8.8528	0.5535	+6.8430
6099	Sagittarii	7	53 56,77	3,630	+0,0008	−0,002	7.2807	8.8588	0.5599	+6.8674
6100	Pavonis..... π	5	54 7,20	5,771	+0,0046	−0,056	7.5860	9.1768	0.7612	+7.5385
6101	68 Ophiuchi	5½	54 8,65	3,040	+0,0003	+0,002	7.2314	8.8239	0.4829	−5.5920
6102	9 Sagittarii	6½	54 40,65	3,676	+0,0008	0,000	7.2303	8.8643	0.5653	+6.8456
6103	Sagittarii	6	54 44,59	4,038	+0,0012	−0,015	7.2759	8.9153	0.6062	+7.0441
6104	69 Ophiuchi ..... τ	5	54 55,01	3,263	+0,0004	+0,006	7.1743	8.8282	0.5136	+6.3271
6105	Aræ ..... θ	4	54 57,59	4,669	+0,0019	+0,009	7.3589	9.0166	0.6692	+7.2438
6106	95 Herculis	5½	55 8,29	2,541	+0,0001	+0,001	7.1822	8.8554	0.4051	−6.7482
6107	Sagittarii ..... γ^1	4	55 26,54	3,829	+0,0007	+0,011	7.1831	8.8845	0.5831	+6.8765
6108*	Sagittarii	7	55 33,75	3,712	+0,0006	.....	7.1558	8.8688	0.5696	+6.7918
6109	Herculis	6	55 39,37	1,710	+0,0002	+0,011	7.2559	8.9783	0.2330	−7.1093
6110	96 Herculis	5	55 58,44	2,562	+0,0001	+0,002	7.0979	8.8532	0.4086	−6.6490
6111	Sagittarii	7	55 58,69	3,677	+0,0006	+0,010	7.1088	8.8645	0.5655	+6.7249
6112	Coronæ Aust.	6	55 59,15	4,336	+0,0011	−0,013	7.2062	8.9627	0.6371	+7.0434
6113*	Sagittarii	7	56 7,16	+3,820	+0,0007	.....	7.1120	8.8832	+0.5821	+6.8012
6114*	35 Draconis	5	56 9,90	−2,710	+0,0062	+0,008	7.6946	9.4711	−0.4330	−7.6833
6115	10 Sagittarii ..... γ^2	4	56 10,57	+3,856	+0,0007	+0,002	7.1105	8.8882	+0.5861	+6.8149
6116	97 Herculis	6	56 13,91	2,505	+0,0001	−0,003	7.0755	8.8596	0.3988	−6.6661
6117	Sagittarii	6	56 15,83	4,043	+0,0008	−0,002	7.1283	8.9160	0.6067	+6.8978
6118*	Pavonis.....	6	56 29,82	5,588	+0,0025	.....	7.3370	9.1526	0.7472	+7.2830
6119*	Pavonis.....	6	56 35,85	6,888	+0,0046	.....	7.4763	9.3047	0.8381	+7.4512
6120	Sagittarii	6½	17 57 17,17	+3,793	+0,0004	+0,015	−6.9528	−8.8794	+0.5789	+6.6296

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6076	123 23 25,3	+0,87	−0,576	.....	+9.2730	−8.3779	+9.9395	−9.9996	....	....	.....	7524		
6077	113 47 45,3	0,82	0,533	+0,01	+7.7782	−8.2170	9.9134	9.9996	2246	299	ii.2054	7526	....	M706, J451
6078	99 45 0,6	0,81	0,481	+0,10	−9.4125	7.8337	9.9071	9.9997	2250	303	ii.2055	....	....	J 452
6079	33 6 8,8	0,79	0,149	−0,06	−0.0310	+8.5200	9.8992	9.9997	2263	316	ii.2059			
6080	114 15 57,7	0,79	0,535	+0,04	+8.1790	−8.2078	9.8962	9.9997	2247	302	ii.2056	7530	....	M 707
6081	110 19 25,6	0,78	0,520	+0,14	−8.7767	−8.1308	9.8922	9.9997	....	304	ii.2057	....	....	M 708
6082	52 43 33,7	0,78	0,299	−0,05	−9.9780	+8.3708	9.8908	9.9997	2256	309	ii.2058			
6083	126 21 54,7	0,73	0,591	+0,17	+9.3858	−8.3335	9.8627	9.9997	....	....	v.3104	7531	6281	
6084	60 43 56,6	0,71	0,338	+0,02	−9.9381	+8.2354	9.8484	9.9997	2258	314	ii.2060	....	....	P 765
6085	93 40 31,0	0,65	0,460	+0,03	−9.5670	−7.3180	9.8133	9.9998	2254	313	ii.2061	....	....	J 453
6086	107 8 45,7	0,64	0,508	0,00	−9.0792	−7.9745	9.8071	9.9998	2253	311	ii.2062			
6087	59 47 42,9	0,63	0,334	0,00	−9.9434	+8.2008	9.8014	9.9998	2261	324	ii.2065			
6088	112 46 17,0	0,63	0,529	+0,08	−8.1206	−8.0838	9.7982	9.9998	....	312	ii.2063	....	....	B.F 2444
6089	85 37 4,1	0,63	0,433	−0,01	−9.7068	+7.3779	9.7970	9.9998	2257	318	ii.2064			
6090	154 33 11,7	0,60	0,857	+0,44	+9.8550	−8.4337	9.7802	9.9998	....	....	.....	7523	6286	
6091	38 29 28,9	0,60	0,203	+0,03	−0.0222	+8.3706	9.7792	9.9998	2267	335	ii.2071	....	6294	M 714
6092	87 3 24,5	0,60	0,438	+0,03	−9.6855	+7.1867	9.7784	9.9998	2259	322	ii.2066			
6093	148 34 13,5	0,58	0,766	+0,07	+9.7970	−8.3946	9.7657	9.9998	....	....	v.3105	7528	6288	
6094	73 14 8,7	0,58	0,389	−0,07	−9.8475	+7.9208	9.7630	9.9998	2262	329	ii.2068			
6095	46 34 3,8	0,58	0,263	.....	−0.0010	+8.2950	9.7600	9.9998	....	....	.....	....	....	G 2493
6096	83 43 20,1	0,56	0,426	+0,13	−9.7330	+7.4869	9.7503	9.9998	....	328	ii.2070	....	....	Airy (G)
6097	114 16 32,8	0,56	0,536	+0,02	+8.1875	−8.0558	9.7440	9.9998	2255	321	ii.2067	7538	....	M 710
6098	110 43 54,4	0,55	0,521	+0,15	−8.7160	−7.9900	9.7432	9.9998	....	323	ii.2069			
6099	112 42 45,1	0,53	0,529	+0,06	−8.1553	−8.0085	9.7240	9.9999	....	326	iii.2262	....	....	M 711
6100	153 39 52,2	0,51	0,841	+0,06	+9.8472	−8.3616	9.7114	9.9999	....	....	.....	7527	6291	R 500
6101	88 41 7,5	0,51	0,443	−0,05	−9.6597	+6.7680	9.7096	9.9999	2264	331	ii.2072			
6102	114 21 28,6	0,47	0,536	+0,01	+8.2305	−7.9812	9.6681	9.9999	2260	332	ii.2074	7547	....	M 712
6103	125 54 1,4	0,46	0,589	+0,31	+9.3705	−8.1287	9.6627	9.9999	....	....	v.3106	7542	6297	
6104	98 10 27,9	0,45	0,476	−0,02	−9.4585	−7.4988	9.6482	9.9999	2265	337	ii.2075	....	....	J 455
6105	140 5 41,2	0,44	0,681	+0,08	+9.6889	−8.2271	9.6444	9.9999	....	....	ii.2073	7535	6296	J 454
6106	68 23 57,0	0,43	0,371	−0,06	−9.8874	+7.8926	9.6288	9.9999	2268	344	ii.2077			
6107	119 34 53,0	0,40	0,558	+0,08	+9.0652	−7.9920	9.6008	9.9999	....	339	ii.2076	7552	....	P773, J456
6108	115 37 30,4	0,39	0,541	.....	+8.6138	−7.9229	9.5892	9.9999	....	....	.....	7554		
6109	44 29 22,7	0,38	0,249	+0,06	−0.0075	+8.1309	9.5798	9.9999	....	353	iii.2267	....	....	G 2496
6110	69 9 44,0	0,35	0,374	−0,05	−9.8816	+7.7957	9.5468	9.9999	2269	349	ii.2080			
6111	114 24 1,8	0,35	0,536	+0,06	+8.2504	−7.8603	9.5465	9.9999	....	342	ii.2078	....	....	W 948
6112	133 25 31,4	0,35	0,632	+0,11	+9.5707	−8.0806	9.5456	9.9999	....	341	iii.2266	7550	6302	
6113	119 16 11,3	0,34	−0,557	.....	+9.0426	−7.9180	9.5310	9.9999	....	....	.....	7556		
6114	13 1 15,9	0,34	+0,395	−0,26	−0.0302	+8.2122	9.5257	9.9999	2287	380	ii.2084			
6115	120 25 12,4	0,34	−0,562	+0,23	+9.1209	−7.9267	9.5245	9.9999	2266	343	ii.2079	7557	....	B.H 1216
6116	67 4 24,4	0,33	0,365	−0,02	−9.8972	+7.8065	9.5181	9.9999	2270	352	ii.2081			
6117	126 1 36,7	0,33	0,590	+0,33	+9.3749	−7.9817	9.5144	9.9999	....	....	v.3111	7555	6306	
6118	152 1 31,6	0,31	0,815	.....	+9.8322	−8.1303	9.4865	0.0000	....	....	v.3109	....	6303	
6119	160 42 2,0	0,30	1,004	.....	+9.9033	−8.1464	9.4738	0.0000	....	....	.....	7532		
6120	118 22 8,2	+0,24	−0,553	−0,06	+8.9699	−7.7501	+9.3755	−0.0000	....	351	iv.1228	7570		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6121	Telescopii.....	6	17 57 24,00	+4.444	+0,0008	+0,019	−7.0352	−8.9804	+0.6478	+6.8905
6122*	34 Draconis .....ψ^2	6	57 46,11	−1,049	+0,0016	−0,013	7.3227	9.3343	−0.0206	−7.3009
6123	70 Ophiuchi	4½	57 52,50	+3,011	+0,0001	+0,017	6.7914	8.8243	+0.4788	−5.4379
6124	Ophiuchi	6	57 57,91	3,266	+0,0001	+0,017	6.7768	8.8285	0.5141	+5.9378
6125	Sagittarii	7	58 11,43	3,596	+0,0002	−0,009	6.7526	8.8551	0.5558	+6.3158
6126	Pavonis..... *i*	4½	58 20,86	5,539	+0,0011	.....	7.0040	9.1461	0.7434	+6.9481
6127	Sagittarii	5	58 34,97	3,796	+0,0002	−0,001	6.6710	8.8799	0.5793	+6.3492
6128	Coronæ Aust.	6	58 47,17	4,406	+0,0003	−0,006	6.6979	8.9741	0.6440	+6.5471
6129	Herculis	5	59 13,55	1,562	0,0000	.....	6.5311	9.0023	0.1936	−6.4053
6130*	Sagittarii	7	59 17,67	3,843	+0,0002	.....	6.3748	8.8864	0.5846	+6.0738
6131*	Sagittarii	7	59 19,70	3,879	+0,0002	.....	6.3582	8.8916	0.5887	+6.0720
6132*	Sagittarii	7	59 39,11	3,708	0,0000	.....	6.0495	8.8684	0.5692	+5.6834
6133	Sagittarii	7	59 39,17	3,596	0,0000	+0,004	6.0349	8.8551	0.5559	+5.5983
6134	98 Herculis	5½	59 43,13	2,525	0,0000	+0,003	5.9461	8.8574	0.4022	−5.5236
6135	Telescopii.....	6	59 44,88	4,531	+0,0001	−0,014	6.0361	8.9945	0.6562	+5.9039
6136	Pavonis	5½	59 48,12	5,777	+0,0002	−0,094	6.1136	9.1776	0.7617	+6.0662
6137	Ophiuchi	7½	59 48,36	3,013	0,0000	.....	5.7529	8.8243	0.4790	−4.3867
6138	Sagittarii	7	17 59 56,36	3,726	0,0000	−0,003	−5.2966	8.8707	0.5713	+4.9403
6139*	Sagittarii	7	18 0 5,57	3,930	0,0000	.....	+5.5088	8.8989	0.5943	−5.2416
6140	Telescopii..... *g*	4½	0 5,90	4,454	0,0000	+0,002	5.6169	8.9819	0.6487	−5.4736
6141	Sagittarii	7	0 7,55	3,666	0,0000	+0,001	5.6019	8.8632	0.5642	−5.2112
6142	71 Ophiuchi	6	0 8,03	2,866	0,0000	+0,002	5.5973	8.8290	0.4572	+4.7780
6143	72 Ophiuchi	4	0 14,32	2,846	0,0000	−0,002	5.8480	8.8300	0.4542	+5.0677
6144*	Sagittarii	7	0 16,22	3,911	0,0000	.....	5.9674	8.8962	0.5923	−5.6935
6145	Sagittarii	6	0 25,57	3,866	0,0000	+0,001	6.1596	8.8897	0.5873	−5.8683
6146	Telescopii.....	6	1 11,81	4,697	−0,0005	+0,001	6.7390	9.0212	0.6719	−6.6269
6147	99 Herculis ..... *b*	5½	1 19,99	2,282	0,0000	−0,005	6.6535	8.8888	0.3583	+6.3596
6148	Pavonis.....	5	1 23,31	5,704	−0,0011	−0,065	6.9506	9.1681	0.7562	−6.9008
6149	Octantis	6	1 27,59	10,160	−0,0057	−0,135	7.3601	9.5560	1.0069	−7.3526
6150	103 Herculis ..... *o*	4	1 41,67	2,337	0,0000	+0,004	6.7499	8.8810	0.3687	+6.4319
6151	100 Herculis	6½	1 46,85	2,416	0,0000	+0,002	6.7610	8.8705	0.3831	+6.4041
6152*	Herculis	6½	1 47,33	2,416	0,0000	+0,018	6.7629	8.8705	0.3831	+6.4060
6153	Sagittarii	7	1 47,94	3,717	−0,0002	+0,013	6.7643	8.8695	0.5702	−6.4028
6154	Pavonis.....	6	1 51,12	6,424	−0,0021	−0,115	7.1628	9.2553	0.8078	−7.1308
6155	73 Ophiuchi	6	2 6,57	2,978	−0,0001	+0,006	6.7890	8.8249	0.4739	+5.6296
6156	Octantis	6	2 9,82	10,878	−0,0101	−0,132	7.5715	9.5966	1.0366	−7.5652
6157	102 Herculis	5½	2 20,84	2,563	−0,0001	+0,001	6.8636	8.8531	0.4087	+6.4139
6158*	Sagittarii	7	2 21,42	3,554	−0,0003	.....	6.8627	8.8505	0.5507	−6.3939
6159	101 Herculis	6	2 24,82	2,583	−0,0001	−0,001	6.8734	8.8510	0.4122	+6.4080
6160*	Sagittarii	7	2 25,86	3,809	−0,0004	.....	6.9074	8.8817	0.5808	−6.5919
6161*	Sagittarii	6	2 34,11	3,658	−0,0004	0,000	6.9118	8.8622	0.5633	−6.5164
6162	Herculis	6	2 57,59	1,804	−0,0001	.....	7.0741	8.9629	0.2563	+6.9114
6163*	Sagittarii	7	3 10,61	3,790	−0,0005	.....	7.0209	8.8791	0.5786	−6.6964
6164	Octantis	5½	3 20,99	8,094	−0,0072	−0,085	7.5785	9.4137	0.9082	−7.5637
6165*	12 Sagittarii	7	18 3 26,70	+3,642	−0,0004	.....	+7.0374	−8.8603	+0.5614	−6.6319

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a′	b′	c′	d′						
	° ′ ″	″	″	″										
6121	135 46 42,0	+0,23	−0,648	+0,15	+9.6169	−7.9101	+9.3570	−0.0000	....	348	iii.2270	7558	6310	
6122	17 58 53,8	0,20	+0,153	0,00	−0.0355	+7.9666	9.2906	0.0000	2285	382	iii.2273			
6123	87 27 36,7	0,19	−0,439	+1,09	−9.6793	+6.6136	9.2693	0.0000	2271	358	ii.2082			
6124	98 19 48,0	0,18	0,476	−0,02	−9.4541	−7.1093	9.2505	0.0000	....	357	iii.2271			
6125	111 27 13,0	0,16	0,524	+0,04	−8.5821	−7.4607	9.1997	0.0000	....	356	ii.2083	....	....	M 715
6126	151 33 34,9	0,15	0,808	.....	+9.8278	−7.8020	9.1601	0.0000	....	....	.....	7553		
6127	118 28 2,9	0,12	0,554	+0,11	+8.9786	−7.4693	9.0933	0.0000	....	359	ii.2085	7579	....	M 716, J 458
6128	134 57 46,0	0,11	0,643	+0,30	+9.6015	−7.5730	9.0260	0.0000	....	354	iii.2272	7575	6315	
6129	41 32 25,8	0,07	0,228	.....	−0.0155	+7.4030	8.8310	0.0000	....	....	.....	....	....	G 2502
6130	120 0 14,2	0,06	0,560	.....	+9.0945	−7.1874	8.7906	0.0000	....	....	.....	7583		
6131	121 9 26,7	0,06	0,566	.....	+9.1644	−7.1804	8.7688	0.0000	....	....	.....	7582		
6132	115 29 28,6	0,03	0,541	.....	+8.5877	−6.8150	8.4833	0.0000	....	....	.....	7587		
6133	111 27 50,9	0,03	0,525	0,00	−8.5798	−6.7431	8.4820	0.0000	....	364	iv.1232			
6134	67 47 23,7	0,03	0,368	−0,04	−9.8920	+6.6662	8.3909	0.0000	2274	372	ii.2087			
6135	137 31 55,7	0,02	0,661	+0,20	+9.6481	−6.9095	8.3438	0.0000	....	....	v.3115	7578	6325	
6136	153 42 36,2	0,02	0,843	−0,30	+9.8478	−6.8886	8.2382	0.0000	....	....	.....	7561	6320	R 501
6137	87 32 1,6	0,02	0,439	+0,03	−9.6782	+5.5624	8.2308	0.0000	2272	....	.....	....	....	L 94
6138	116 7 8,3	+0,01	0,543	+0,27	+8.7042	−6.0696	+7.7282	0.0000	....	365	iv.1233			
6139	122 43 4,9	−0,01	0,573	.....	+9.2440	+6.3427	−7.9121	0.0000	....	....	.....	7588		
6140	135 58 24,7	0,01	0,650	+0,05	+9.6206	+6.4917	7.9372	0.0000	....	361	ii.2086	7581	6326	J 459
6141	114 0 17,2	0,01	0,535	−0,02	+8.0170	+6.3480	8.0409	0.0000	....	366	iii.2276			
6142	81 16 50,5	0,01	0,418	−0,04	−9.7638	−5.9491	8.0706	0.0000	2273	373	ii.2089			
6143	80 27 11,8	0,02	0,415	−0,08	−9.7737	−6.2377	8.3202	0.0000	2275	374	ii.2090			
6144	122 9 16,2	0,02	0,570	.....	+9.2170	+6.7973	8.3734	0.0000	....	....	.....	7589		
6145	120 44 51,7	0,04	0,564	+0,13	+9.1408	+6.9786	8.5721	0.0000	....	367	ii.2088	7590	....	M 717
6146	140 35 4,5	0,11	0,685	+0,85	+9.6964	+7.6057	9.0200	0.0000	....	....	v.3116	7585	6334	
6147	59 27 22,6	0,12	0,333	−0,08	−9.9455	−7.4708	9.0670	0.0000	2278	385	iii.2282			
6148	153 5 6,9	0,12	0,832	+0,01	+9.8422	+7.7327	9.0847	0.0000	....	....	.....	7577	6329	
6149	169 19 11,1	0,13	1,482	−0,22	+9.9554	+7.7966	9.1064	0.0000	....	....	.....	7529	6319	
6150	61 15 15,9	0,15	0,341	−0,02	−9.9352	−7.5509	9.1711	0.0000	2281	388	ii.2091			
6151	63 55 13,9	0,16	0,352	−0,07	−9.9188	−7.5336	9.1927	0.0000	2279	389	iv.1238			
6152	63 55 17,6	0,16	0,352	+0,12	−9.9188	−7.5355	9.1946	0.0000	2280	390	iii.2283			
6153	115 47 14,0	0,16	0,542	+0,11	+8.6464	+7.5333	9.1970	0.0000	....	383	iv.1237	7603		
6154	158 15 48,0	0,16	0,937	−0,26	+9.8855	+7.8755	9.2097	0.0000	....	....	.....	7574	6332	
6155	86 1 38,8	0,19	0434	0,00	−9.7009	−6.8047	9.2663	0.0000	2277	387	ii.2092			
6156	170 16 58,8	0,19	1,586	−0,71	+9.9602	+7.9687	9.2772	0.0000	....	....	.....	7525	6324	
6157	69 12 18,0	0,21	0,374	+0,01	−9.8812	−7.5607	9.3127	0.0000	2282	1	ii.2094			
6158	109 51 51,1	0,21	0,518	.....	−8.8344	+7.5433	9.3143	0.0000	....	....	.....	....	....	B.F 2471
6159	69 58 31,0	0,21	0,377	+0,04	−9.8751	−7.5570	9.3247	0.0000	2283	2	ii.2095			
6160	118 55 19,0	0,21	0,556	.....	+9.0162	+7.7101	9.3278	0.0000	....	....	.....	7609		
6161	113 43 31,1	0,23	0,534	+0,07	+7.6990	+7.6542	9.3518	0.0000	2276	386	ii.2093	7613	....	M 718
6162	46 33 15,9	0,26	0,263	.....	−0.0012	−7.9485	9.4133	0.0000	....	....	.....	....	....	G 2517
6163	118 16 33,8	0,28	0,553	.....	+8.9614	+7.8173	9.4440	0.0000	....	....	.....	7616		
6164	165 5 52,2	0,29	1,180	+0,44	+9.9318	+8.1500	9.4671	0.0000	....	....	.....	7559	6337	
6165	113 8 52,4	−0,30	−0,531	.....	−7.7709	+7.7716	−9.4793	−0.0000	....	....	.....	....	....	B.F 2473

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6166*	Sagittarii	7	18 3 51,63	+3,906	−0,0007	.....	+7.1219	−8.8954	+0.5917	−6.8460
6167*	Telescopii.....	6	4 29,08	5,057	−0,0022	−0,007	7.3686	9.0770	0.7039	−7.2874
6168*	13 Sagittarii .....μ	3½	4 47,62	3,586	−0,0006	+0,001	7.1746	8.8539	0.5546	−6.7307
6169	Coronæ Aust.	6½	4 57,09	4,373	−0,0014	+0,022	7.3033	8.9687	0.6407	−7.1470
6170	Pavonis.....	6	5 6,50	5,802	−0,0041	−0,070	7.5290	9.1808	0.7636	−7.4824
6171	Telescopii.....	6	5 12,29	4,728	−0,0020	+0,001	7.3822	9.0259	0.6746	−7.2734
6172	14 Sagittarii	6	5 15,33	3,604	−0,0006	+0,004	7.2164	8.8559	0.5568	−6.7852
6173*	Sagittarii	7	5 36,95	3,836	−0,0009	.....	7.2747	8.8854	0.5839	−6.9709
6174*	Sagittarii	6½	5 41,50	4,064	−0,0012	−0,005	7.3144	8.9192	0.6089	−7.0899
6175*	Sagittarii	7	5 48,87	3,918	−0,0011	.....	7.3016	8.8971	0.5931	−7.0303
6176	Sagittarii	7	5 49,00	3,943	−0,0011	+0,008	7.3054	8.9008	0.5958	−7.0430
6177*	Draconis	7½	5 55,33	0,306	−0,0016	.....	7.5974	9.1850	9.4859	+7.5518
6178	104 Herculis .....A	5	6 15,65	2,256	−0,0001	+0,005	7.3290	8.8924	0.3533	+7.0455
6179	15 Sagittarii	6	6 16,16	3,577	−0,0008	+0,001	7.2900	8.8529	0.5536	−6.8397
6180	16 Sagittarii	6	6 17,63	3,568	−0,0008	+0,006	7.2908	8.8520	0.5525	−6.8336
6181*	Sagittarii	7	6 29,78	3,880	−0,0011	.....	7.3442	8.8916	0.5888	−7.0586
6182*	Sagittarii	7	6 35,77	3,885	−0,0012	.....	7.3516	8.8923	0.5894	−7.0679
6183	Sagittarii	7	6 59,21	4,123	−0,0016	−0,003	7.4127	8.9285	0.6152	−7.2042
6184	Draconis	6	7 21,30	1,072	−0,0008	.....	7.5854	9.0788	0.0302	+7.5051
6185	Draconis	5½	7 26,43	1,215	−0,0007	.....	7.5685	9.0570	0.0846	+7.4778
6186*	Sagittarii .....η	4	7 28,60	4,070	−0,0017	−0,014	7.4339	8.9202	0.6096	−7.2113
6187*	Sagittarii	7	7 32,45	3,774	−0,0011	.....	7.3942	8.8768	0.5768	−7.0623
6188*	Sagittarii	7	7 35,31	3,884	−0,0014	.....	7.4123	8.8922	0.5893	−7.1284
6189	17 Sagittarii	7	7 39,27	3,573	−0,0009	+0,002	7.3762	8.8523	0.5530	−6.9223
6190*	Sagittarii	6½	7 52,87	3,802	−0,0013	.....	7.4171	8.8806	0.5800	−7.0985
6191	Sagittarii	6½	7 53,63	3,791	−0,0013	+0,014	7.4163	8.8791	0.5787	−7.0926
6192*	Sagittarii	7	7 59,41	3,953	−0,0016	.....	7.4448	8.9023	0.5970	−7.1861
6193	Lyræ.....	6	8 4,67	1,999	−0,0003	.....	7.4788	8.9315	0.3008	+7.2752
6194	Sagittarii	5½	8 39,99	3,754	−0,0013	+0,005	7.4520	8.8741	0.5745	−7.1104
6195	Sagittarii	7	8 40,77	3,518	−0,0009	+0,005	7.4252	8.8467	0.5463	−6.9269
6196*	Serpentis	7½	9 1,07	3,142	−0,0006	.....	7.4193	8.8242	0.4971	−6.1436
6197*	Serpentis	6½	9 9,05	3,301	−0,0007	+0,003	7.4315	8.8300	0.5187	−6.6626
6198	Pavonis.....	6	9 25,13	5,537	−0,0066	+0,064	7.7597	9.1457	0.7433	−7.7039
6199*	Sagittarii	7	9 25,78	3,712	−0,0014	.....	7.4832	8.8686	0.5696	−7.1195
6200	Pavonis.....	6	9 26,41	5,462	−0,0061	−0,034	7.7504	9.1354	0.7373	−7.6914
6201*	Sagittarii	neb.	9 47	3,522	−0,0011	.....	7.4776	8.8470	0.5468	−6.9828
6202*	Sagittarii	7	10 46,33	3,885	−0,0019	.....	7.5646	8.8921	0.5894	−7.2812
6203	Lyræ.....	6	10 58,99	1,863	−0,0003	.....	7.6340	8.9531	0.2703	+7.4604
6204*	Sagittarii	7	11 4,27	3,951	−0,0021	.....	7.5861	8.9017	0.5967	−7.3266
6205	Octantis	6	11 14,13	+12,467	−0,0739	−0,118	8.3659	9.6751	+1.0958	−8.3615
6206	40 Draconis	5	11 15,40	−4,483	−0,0331	+0,024	8.2742	9.5826	−0.6515	+8.2675
6207	Pavonis.....	6	11 16,24	+5,701	−0,0085	−0,045	7.8597	9.1676	+0.7559	−7.8099
6208*	41 Draconis	5	11 21,57	−4,485	−0,0334	+0,019	8.2783	9.5827	−0.6518	+8.2716
6209	19 Sagittarii .....δ	3½	11 23,47	+3,838	−0,0020	+0,004	7.5821	8.8854	+0.5841	−7.2796
6210*	Sagittarii	6	18 11 30,76	+3,451	−0,0012	+0,007	+7.5416	−8.8403	+0.5379	−6.9790

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6166	121 59 46,2	−0,34	−0,570	.....	+9.2090	+7.9505	−9.5286	−9.9999	....	....	.....	7619		
6167	146 3 43,8	0,39	0,737	0,00	+9.7688	+8.2104	9.5937	9.9999	....	....	v.3118	7608	6347	
6168	111 5 34,5	0,42	0,523	−0,01	−8.6542	+7.8767	9.6227	9.9999	2284	7	ii.2096	....	....	M719, J460
6169	134 14 43,0	0,43	0,638	+0,02	+9.5874	+8.1782	9.6367	9.9999	....	5	iii.2286	7621		
6170	153 55 22,8	0,45	0,846	+0,51	+9.8495	+8.3015	9.6503	9.9999	....	....	.....	7601	6348	
6171	141 6 31,2	0,46	0,689	−0,02	+9.7038	+8.2473	9.6584	9.9999	....	....	v.3119	7618	6350	
6172	111 44 52,0	0,46	0,526	+0,04	−8.5146	+7.9292	9.6626	9.9999	2286	8	ii.2097	....	....	M 720
6173	119 47 42,3	0,49	0,559	.....	+9.0799	+8.0854	9.6914	9.9999	....	....	.....	7634		
6174	126 36 41,4	0,50	0,593	−0,09	+9.3943	+8.1706	9.6973	9.9999	....	....	v.3120	7630	6355	
6175	122 22 34,2	0,51	0,571	.....	+9.2274	+8.1330	9.7065	9.9999	....	....	.....	7635		
6176	123 7 48,2	0,51	0,575	+0,05	+9.2625	+8.1421	9.7067	9.9999	....	9	iv.1243	7632		
6177	25 48 7,5	0,52	0,045	+0,01	−0.0370	−8.3666	9.7145	9.9999	2295	....	.....	....	....	B 38
6178	58 37 40,3	0,55	0,329	−0,07	−9.9498	−8.1529	9.7386	9.9998	2291	18	ii.2100			
6179	110 46 0,3	0,55	0,522	−0,04	−8.7110	+7.9866	9.7392	9.9998	2288	14	ii.2098	....	....	M 721
6180	110 25 38,7	0,55	0,520	+0,03	−8.7619	+7.9815	9.7409	9.9998	2289	15	ii.2099	....	....	M 722
6181	121 12 15,9	0,57	0,566	.....	+9.1664	+8.1669	9.7547	9.9998	....	....	.....	7637		
6182	121 21 38,1	0,58	0,566	.....	+9.1749	+8.1754	9.7613	9.9998	....	....	.....	7639		
6183	128 13 16,8	0,61	0,601	+0,01	+9.4433	+8.2755	9.7862	9.9998	....	16	iii.2289	7640		
6184	33 45 57,7	0,64	0,156	.....	−0.0302	−8.4261	9.8086	9.9998	....	....	.....	....	....	G 2528
6185	35 45 33,7	0,65	0,177	.....	−0.0272	−8.4206	9.8135	9.9998	....	....	.....	....	....	G 2527
6186	126 48 1,0	0,65	0,593	+0,23	+9.4000	+8.2909	9.8157	9.9998	....	17	ii.2101	7643	6360	P 784, J461
6187	117 45 21,5	0,66	0,550	.....	+8.9106	+8.1853	9.8194	9.9998	....	....	.....	7650		
6188	121 20 24,9	0,66	0,566	.....	+9.1738	+8.2360	9.8221	9.9998	....	....	.....	7647		
6189	110 35 19,2	0,67	0,521	+0,05	−8.7380	+8.0698	9.8259	9.9998	2290	20	ii.2102			
6190	118 41 44,8	0,69	0,554	.....	+8.9965	+8.2177	9.8385	9.9997	....	....	.....	7653		
6191	118 19 43,0	0,69	0,553	+0,19	+8.9647	+8.2133	9.8392	9.9997	....	21	iii.2290	7654		
6192	123 26 45,9	0,70	0,576	.....	+9.2758	+8.2836	9.8445	9.9997	....	....	.....	7651		
6193	51 15 56,8	0,71	0,291	.....	−9.9840	−8.3434	9.8492	9.9997	....	....	.....	....	....	G 2530
6194	117 5 29,8	0,76	0,547	+0,06	+8.8370	+8.2360	9.8798	9.9997	....	24	ii.2103	7659		
6195	108 30 37,2	0,76	0,513	0,00	−8.9741	+8.0799	9.8805	9.9997	....	25	ii.2104			
6196	93 2 17,5	0,79	0,458	+0,08	−9.5802	+7.3191	9.8970	9.9997	2293	....	.....	....	....	L 98
6197	99 48 9,7	0,80	0,481	.....	−9.4108	+7.8323	9.9034	9.9997	2292	....	.....	....	....	L 296
6198	151 33 22,5	0,82	0,807	+0,54	+9.8272	+8.5578	9.9159	9.9996	....	....	v.3121	7638	6366	R 502
6199	115 38 59,5	0,83	0,541	.....	+8.6160	+8.2506	9.9164	9.9996	....	....	.....	7660		
6200	150 48 29,8	0,83	0,796	+0,03	+9.8199	+8.5557	9.9169	9.9996	....	....	v.3122	7641	6368	
6201	108 40	0,86	0,513	.....	−8.9605	+8.1354	9.9324	9.9996	....	....	.....	....	....	A
6202	121 22 56,1	0,94	0,566	.....	+9.1752	+8.3886	9.9742	9.9995	....	....	.....	7668		
6203	47 53 21,2	0,96	0,272	.....	−9.9964	−8.5068	9.9826	9.9995	....	....	.....	....	....	G 2533
6204	123 22 58,4	0,97	0,576	.....	+9.2723	+8.4244	9.9861	9.9995	....	....	.....	7669		
6205	171 54 42,0	0,98	−1,816	+0,92	+9.9675	+8.6859	9.9925	9.9995	....	....	.....	7562	6362	
6206	10 1 33,4	0,99	+0,653	−0,05	−0.0250	−8.6844	9.9933	9.9995	2318	62	iii.2301			
6207	153 4 57,7	0,99	−0,830	−0,08	+9.8414	+8.6418	9.9938	9.9995	....	....	.....	7656	6373	
6208	10 1 21,7	0,99	+0,653	−0,06	−0.0249	−8.6883	9.9972	9.9995	2321	63	iii.2302			
6209	119 53 12,8	1,00	−0,559	+0,06	+9.0846	+8.3937	9.9984	9.9995	2294	32	ii.2105	7670	6377	M723, J462
6210	105 53 17,7	−1,01	−0,503	.....	−9.1584	+8.1382	−0.0030	−9.9995	2296	....	ii.2106			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6211	18 Sagittarii	7	18 11 35,60	+3,873	−0,0020	−0,001	+7.5947	−8.8903	+0.5880	−7.3065
6212*	Sagittarii	7	11 40,67	3,914	−0,0021	.....	7.6037	8.8962	0.5926	−7.3311
6213*	Ophiuchi	6	11 53	2,902	−0,0005	.....	7.5419	8.8268	0.4628	+6.6390
6214*	Sagittarii	7	11 54,29	3,726	−0,0017	.....	7.5861	8.8702	0.5712	−7.2301
6215	Coronæ Aust.	6	11 57,99	4,141	−0,0028	−0,002	7.6493	8.9311	0.6171	−7.4455
6216	Draconis	6	12 2,83	1,051	−0,0014	.....	7.8029	9.0819	0.0214	+7.7242
6217*	Sagittarii	6½	12 18,15	3,693	−0,0017	.....	7.5962	8.8659	0.5673	−7.2218
6218	Lyræ.....	5	12 21,92	1,915	−0,0003	.....	7.6772	8.9447	0.2822	+7.4931
6219	Telescopii.....	6	12 27,65	5,139	−0,0066	.....	7.8249	9.0891	0.7109	−7.7492
6220*	Sagittarii	6½	12 30,54	3,795	−0,0020	.....	7.6168	8.8793	0.5793	−7.2954
6221	Sagittarii	6	12 43,99	4,067	−0,0027	+0,015	7.6646	8.9194	0.6093	−7.4414
6222*	Sagittarii	7	12 58,28	3,637	−0,0017	.....	7.6124	8.8591	0.5607	−7.2041
6223	105 Herculis	5	13 0,46	2,466	−0,0003	+0,005	7.6183	8.8638	0.3919	+7.2341
6224	36 Draconis	5	13 1,93	0,291	−0,0036	+0,054	7.9421	9.1868	9.4642	+7.8970
6225	Sagittarii	7	13 9,27	3,463	−0,0014	+0,002	7.6006	8.8412	0.5395	−7.0511
6226	Sagittarii	6	13 20,91	4,051	−0,0029	+0,001	7.6827	8.9169	0.6076	−7.4551
6227	74 Ophiuchi	6	13 22,85	2,993	−0,0007	+0,002	7.5907	8.8239	0.4762	+6.3528
6228	Coronæ Aust.	6	13 23,03	4,368	−0,0039	−0,005	7.7344	8.9675	0.6402	−7.5776
6229	58 Serpentis ..... η	4	13 32,97	3,139	−0,0009	−0,037	7.5960	8.8237	0.4968	−6.3050
6230	Octantis	6	13 36,90	7,739	−0,0258	+0,002	8.1584	9.3840	0.8887	−8.1413
6231	106 Herculis	5½	13 57,39	2,534	−0,0003	+0,006	7.6408	8.8556	0.4038	+7.2125
6232*	Herculis	6½	14 4,75	2,312	−0,0003	+0,009	7.6728	8.8838	0.3641	+7.3665
6233	20 Sagittarii ..... ε	3	14 13,04	3,986	−0,0028	+0,001	7.7000	8.9068	0.6005	−7.4526
6234	Herculis	7	14 35,09	2,333	−0,0003	+0,002	7.6852	8.8809	0.3680	+7.3697
6235	1 Lyræ..... χ	4½	14 36,45	2,101	−0,0004	+0,002	7.7201	8.9151	0.3225	+7.4893
6236*	Sagittarii	7	14 48,11	3,914	−0,0028	.....	7.7067	8.8960	0.5926	−7.4344
6237	108 Herculis	6	15 9,39	2,307	−0,0003	−0,010	7.7056	8.8845	0.3630	+7.4018
6238	107 Herculis..... ι	6	15 9,99	2,337	−0,0003	+0,002	7.7017	8.8803	0.3687	+7.3845
6239	Sagittarii	6	15 23,15	3,867	−0,0027	−0,004	7.7167	8.8891	0.5873	−7.4263
6240*	Telescopii..... α	4	15 50,92	4,454	−0,0050	−0,003	7.8220	8.9815	0.6488	−7.6792
6241*	Herculis	5½	15 53,45	2,499	−0,0004	.....	7.7012	8.8595	0.3977	+7.2969
6242	Pavonis.....	5½	15 58,43	+7,142	−0,0241	−0,036	8.1736	9.3296	+0.8538	−8.1514
6243	37 Draconis	6	16 8,76	−0,350	−0,0075	−0,003	8.1112	9.2626	−9.5444	+8.0805
6244*	Sagittarii	7	16 8,91	+3,899	−0,0030	.....	7.7423	8.8936	+0.5909	−7.4644
6245*	Herculis	6	16 10	2,644	−0,0004	.....	7.6932	8.8440	0.4222	+7.1773
6246	Draconis	5½	16 24,88	1,407	−0,0012	.....	7.8824	9.0266	0.1483	+7.7746
6247	21 Sagittarii	6	16 25,08	3,572	−0,0020	+0,002	7.7074	8.8515	0.5530	−7.2541
6248	Telescopii.....	6	16 59,25	5,172	−0,0092	−0,138	7.9645	9.0937	0.7136	−7.8910
6249*	Sagittarii	6½	17 3,27	3,855	−0,0029	.....	7.7597	8.8873	0.5860	−7.4648
6250	Telescopii..... ζ	4½	17 15,01	4,612	−0,0062	−0,015	7.8844	9.0070	0.6639	−7.7632
6251	109 Herculis	5½	17 18,50	2,540	−0,0004	+0,017	7.7335	8.8546	0.4048	+7.3015
6252	Draconis	6	17 21,57	1,501	−0,0010	.....	7.8917	9.0115	0.1764	+7.7737
6253	Pavonis..... γ	5	17 21,98	5,617	−0,0125	+0,027	8.0367	9.1563	0.7495	−7.9841
6254	Sagittarii	7	17 38,83	3,953	−0,0034	−0,006	7.7888	8.9015	0.5969	−7.5306
6255	Draconis	5	18 17 42,34	+1,535	−0,0010	.....	+7.8949	−9.0061	+0.1860	+7.7730

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6211	120 59 58,8	−1,01	−0,564	−0,05	+9.1535	+8.4157	−0.0061	−9.9994	....	33	iii.2294	7672		
6212	122 15 44,3	1,02	0,570	.....	+9.2204	+8.4344	0.0092	9.9994	....	....	.....	7673		
6213	82 49	1,04	0,423	.....	−9.7447	−7.8116	0.0168	9.9994	....	....	.....	....	....	A
6214	116 8 28,0	1,04	0,543	.....	+8.7024	+8.3594	0.0176	9.9994	....	....	.....	7676		
6215	128 43 5,2	1,05	0,603	+0,10	+9.4564	+8.5138	0.0198	9.9994	....	34	iii.2295	7671	6379	
6216	33 27 44,3	1,05	0,153	.....	−0.0304	−8.6418	0.0227	9.9994	....	....	.....	....	....	G 2539
6217	114 58 48,8	1,08	0,538	.....	+8.4518	+8.3552	0.0318	9.9994	....	....	.....	7681		
6218	49 7 15,3	1,08	0,279	.....	−9.9919	−8.5477	0.0340	9.9994	....	....	.....	....	....	G 2538
6219	147 9 41,4	1,09	0,748	.....	+9.7808	+8.6595	0.0374	9.9994	....	....	.....	7663	6383	
6220	118 29 43,7	1,09	0,553	.....	+8.9777	+8.4154	0.0390	9.9994	....	....	.....	7682		
6221	126 44 12,5	1,11	0,592	+0,12	+9.3969	+8.5213	0.0468	9.9993	....	37	v.3125	7677	6382	
6222	112 59 16,0	1,13	0,530	.....	−7.9823	+8.3442	0.0548	9.9993	....	....	.....	7686		
6223	65 36 46,1	1,14	0,359	0,00	−9.9071	−8.3696	0.0560	9.9993	2300	47	ii.2107			
6224	25 39 12,2	1,14	0,042	0,00	−0.0366	−8.7095	0.0568	9.9993	2309	54	ii.2111			
6225	106 23 20,5	1,15	0,504	+0,13	−9.1291	+8.2092	0.0609	9.9993	....	43	iii.2298			
6226	126 18 19,2	1,17	0,590	+0,05	+9.3827	+8.5374	0.0672	9.9993	....	42	iii.2300	7684		
6227	86 41 7,3	1,17	0,436	−0,01	−9.6910	−7.5281	0.0683	9.9993	2299	45	ii.2108			
6228	134 10 42,9	1,17	0,636	+0,14	+9.5849	+8.6093	0.0684	9.9993	....	39	iii.2299	7680	6386	
6229	92 55 57,8	1,19	0,457	+0,65	−9.5824	+7.4805	0.0737	9.9992	2298	48	ii.2109	....	....	J 463
6230	164 2 43,7	1,19	1,127	−0,08	+9.9245	+8.7565	0.0758	9.9992	....	....	.....	7642	6380	
6231	68 5 50,4	1,22	0,369	+0,01	−9.8893	−8.3561	0.0866	9.9992	2301	49	ii.2112			
6232	60 23 46,8	1,23	0,337	+0,04	−9.9397	−8.4818	0.0903	9.9992	2302	51	iii.2303			
6233	124 26 56,5	1,24	0,580	+0,08	+9.3153	+8.5449	0.0946	9.9992	2297	46	ii.2110	7689	6391	B.H 1218
6234	61 4 47,1	1,28	0,340	−0,02	−9.9357	−8.4879	0.1056	9.9991	2304	53	iii.2304			
6235	53 59 59,5	1,28	0,306	−0,03	−9.9721	−8.5733	0.1063	9.9991	2305	55	ii.2113			
6236	122 17 13,5	1,29	0,570	.....	+9.2204	+8.5375	0.1121	9.9991	....	....	.....	7693		
6237	60 12 33,5	1,33	0,336	−0,04	−9.9407	−8.5163	0.1223	9.9991	2307	57	iii.2305			
6238	61 11 51,9	1,33	0,340	−0,06	−9.9350	−8.5033	0.1226	9.9991	2306	56	ii.2116			
6239	120 49 39,8	1,35	0,563	+0,15	+9.1418	+8.5363	0.1288	9.9990	....	52	ii.2114	7698	....	W 962
6240	136 2 42,3	1,39	0,648	+0,24	+9.6201	+8.6967	0.1417	9.9990	....	50	ii.2115	7694	6397	J 465, R 503
6241	66 47 12,9	1,39	0,364	−0,08	−9.8987	−8.4363	0.1428	9.9990	2308	....	ii.2117			
6242	161 51 39,0	1,40	−1,039	0,00	+9.9100	+8.8208	0.1451	9.9989	....	....	.....	7666	6395	
6243	21 17 55,7	1,41	+0,051	+0,06	−0.0362	−8.8168	0.1497	9.9989	2316	67	iii.2306			
6244	121 49 50,2	1,41	−0,567	.....	+9.1970	+8.5698	0.1498	9.9989	....	....	.....	7703		
6245	72 15	1,41	0,385	.....	−9.8558	−8.3322	0.1503	9.9989	....	....	.....	....	....	A
6246	38 42 58,7	1,44	0,205	.....	−0.0211	−8.7469	0.1569	9.9989	....	....	.....	....	....	G 2549
6247	110 37 0,2	1,44	0,520	+0,02	−8.7404	+8.4014	0.1570	9.9989	2303	58	ii.2118	....	....	M 725
6248	147 35 59,5	1,49	0,752	−1,78	+9.7850	+8.7961	0.1718	9.9988	....	....	v.3128	7696	6399	
6249	120 28 16,9	1,49	0,561	.....	+9.1196	+8.5764	0.1735	9.9988	....	....	.....	7709		
6250	139 8 42,5	1,51	0,671	+0,44	+9.6724	+8.7549	0.1784	9.9988	....	....	ii.2120	7702	6403	
6251	68 17 38,7	1,51	0,369	+0,24	−9.8876	−8.4457	0.1799	9.9988	2311	64	ii.2121			
6252	40 20 46,1	1,52	0,218	.....	−0.0174	−8.7610	0.1812	9.9988	....	....	.....	....	....	G 2553
6253	152 21 55,6	1,52	0,817	+0,17	+9.8339	+8.8265	0.1813	9.9988	....	....	ii.2119	7691	6401	J 466
6254	123 29 31,8	1,54	0,575	−0,03	+9.2749	+8.6279	0.1883	9.9987	....	60	iii.2307	7710		
6255	40 57 11,1	−1,55	−0,223	.....	−0.0160	−8.7656	−0.1897	−9.9987	....	....	.....	....	....	G 2555

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6256*	Sagittarii	7	18 17 48,21	+3,891	−0,0032	.....	+7.7836	−8.8924	+0.5901	−7.5032
6257	38 Draconis	6	17 50,93	−0,345	−0,0083	−0,013	8.1544	9.2620	−9.5379	+8.1236
6258	Draconis	6	17 56,90	+1,411	−0,0013	.....	7.9206	9.0259	+0.1495	+7.8125
6259	Coronæ Aust.	6	18 5,04	4,153	−0,0043	+0,013	7.8306	8.9325	0.6184	−7.6302
6260*	Sagittarii	6½	18 13,44	3,837	−0,0031	.....	7.7859	8.8845	0.5840	−7.4835
6261*	Sagittarii	7	18 22,77	3,741	−0,0028	.....	7.7766	8.8715	0.5730	−7.4294
6262	Telescopii..... τ	6	18 38,58	4,515	−0,0062	−0,034	7.9025	8.9912	0.6547	−7.7688
6263	22 Sagittarii ..... λ	4	18 42,88	3,706	−0,0027	+0,001	7.7799	8.8670	0.5689	−7.4139
6264*	Sagittarii	7	18 44,83	3,745	−0,0028	.....	7.7857	8.8720	0.5734	−7.4403
6265	Pavonis.....	6	18 59,13	6,117	−0,0180	−0,009	8.1388	9.2195	0.7865	−8.1008
6266*	Sagittarii	7	19 1,19	3,639	−0,0026	.....	7.7787	8.8587	0.5609	−7.3722
6267	Sagittarii	6	19 11,25	3,501	−0,0021	.....	7.7678	8.8439	0.5441	−7.2551
6268	2 Lyræ..... μ	5½	19 17,13	1,975	−0,0005	−0,003	7.8606	8.9345	0.2956	+7.6634
6269	59 Serpentis ..... d	5½	19 32,27	3,068	−0,0011	+0,004	7.7541	8.8223	0.4869	+5.0374
6270*	Sagittarii	7	19 37,23	3,740	−0,0030	.....	7.8048	8.8712	0.5728	−7.4569
6271*	Sagittarii	7	19 38,10	+3,819	−0,0033	.....	7.8159	8.8819	+0.5820	−7.5060
6272	Draconis	6	19 59,56	−0,123	−0,0079	+0,021	8.1787	9.2369	−9.0906	+8.1439
6273	Sagittarii	7	20 6,82	+3,702	−0,0029	−0,003	7.8106	8.8662	+0.5684	−7.4422
6274	Sagittarii	neb.	20 9,39	3,955	−0,0038	+0,012	7.8469	8.9016	0.5972	−7.5898
6275	Sagittarii	7	20 10,90	3,940	−0,0038	.....	7.8452	8.8993	0.5955	−7.5829
6276	Telescopii.....	6	20 20,36	5,270	−0,0118	−0,011	8.0572	9.1079	0.7218	−7.9893
6277	Coronæ Aust.	6	20 23,09	4,270	−0,0054	+0,006	7.9014	8.9512	0.6304	−7.7270
6278	Telescopii..... δ¹	5	20 38,47	4,450	−0,0064	−0,005	7.9362	8.9804	0.6484	−7.7932
6279*	Sagittarii	5	20 38,87	3,419	−0,0020	.....	7.7924	8.8365	0.5339	−7.1955
6280*	Serpentis	6	20 41	+2,919	−0,0009	.....	7.7816	8.8249	+0.4653	+6.8343
6281	23 Ursæ Minoris .. δ	3	20 43,59	−19,323	−0,6157	+0,030	9.0062	0.0487	−1.2861	+9.0054
6282	Telescopii..... δ²	5	20 56,19	+4,442	−0,0065	−0,004	7.9411	8.9792	+0.6476	−7.7970
6283*	Sagittarii	7	20 59,88	3,805	−0,0034	.....	7.8430	8.8798	0.5804	−7.5270
6284*	Sagittarii	6½	21 13,50	3,419	−0,0021	.....	7.8044	8.8365	0.5339	−7.2081
6285	Sagittarii	5½	21 14,52	3,938	−0,0040	−0,002	7.8671	8.8989	0.5953	−7.6042
6286	23 Sagittarii	7	21 20,46	3,645	−0,0028	.....	7.8294	8.8591	0.5617	−7.4274
6287	Sagittarii	6	21 22,63	+3,524	−0,0024	−0,005	7.8169	8.8459	+0.5471	−7.3255
6288*	Draconis	7	21 25,39	−0,895	−0,0143	−0,013	8.2912	9.3193	−9.9517	+8.2680
6289	39 Draconis ..... b	5	21 43,19	+0,880	−0,0032	−0,004	8.0845	9.1065	+9.9446	+8.0163
6290	60 Serpentis c	6	21 52,85	3,119	−0,0013	+0,006	7.8034	8.8222	0.4940	−6.3629
6291	Telescopii.....	6	22 27,58	4,836	−0,0096	−0,005	8.0349	9.0423	0.6845	−7.9372
6292	Sagittarii	6	22 31,03	3,529	−0,0026	−0,016	7.8399	8.8461	0.5476	−7.3525
6293	Sagittarii	6½	22 37,06	3,512	−0,0025	+0,017	7.8402	8.8445	0.5456	−7.3385
6294	Sagittarii	6	22 38,82	3,516	−0,0025	−0,007	7.8411	8.8448	0.5460	−7.3426
6295*	Sagittarii	7	22 40,47	3,817	−0,0038	.....	7.8779	8.8812	0.5817	−7.5674
6296	Coronæ Aust. .. θ	5	22 47,97	+4,286	−0,0062	+0,015	7.9527	8.9535	+0.6321	−7.7817
6297	43 Draconis ..... φ	5	22 54,25	−0,850	−0,0149	+0,002	8.3160	9.3148	−9.9293	+8.2923
6298	Coronæ Aust. .. x	6	23 1,37	+4,141	−0,0053	−0,023	7.9336	8.9302	+0.6171	−7.7308
6299	Sagittarii	7	23 3,17	3,535	−0,0027	+0,001	7.8507	8.8466	0.5483	−7.3682
6300	Herculis	6	18 23 22,81	+2,485	−0,0005	+0,015	+7.8703	−8.8602	+0.3953	+7.4757

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6256	121 37 23,6	−1,56	−0,566	.....	+9.1855	+8.6095	−0.1921	−9.9987	....	....	.....	7714		
6257	21 19 4,5	1,56	+0,050	+0,08	−0.0361	−8.8602	0.1932	9.9987	2322	80	iii.2308			
6258	38 46 11,3	1,57	−0,205	.....	−0.0208	−8.7853	0.1956	9.9987	....	....	.....	....	....	G 2556
6259	129 4 46,5	1,58	0,604	+0,06	+9.4646	+8.6963	0.1989	9.9987	....	....	v.3129	7712	6406	
6260	119 53 36,1	1,59	0,558	.....	+9.0814	+8.5976	0.2022	9.9986	....	....	.....	7717		
6261	116 42 50,5	1,61	0,544	.....	+8.7818	+8.5565	0.2059	9.9986	....	....	.....	7722		
6262	137 18 27,5	1,63	0,656	−0,25	+9.6418	+8.7762	0.2121	9.9986	....	....	v.3130	7713	6411	
6263	115 29 58,2	1,64	0,539	+0,23	+8.5729	+8.5455	0.2137	9.9986	2310	66	ii.2122	7725	....	M 726, J 467
6264	116 50 16,8	1,64	0,544	.....	+8.7980	+8.5669	0.2145	9.9986	....	....	.....	7724		
6265	156 22 29,4	1,66	0,889	−0,06	+9.8687	+8.8797	0.2200	9.9985	....	....	v.3131	7697	6409	
6266	113 5 18,2	1,66	0,529	.....	−7.9243	+8.5120	0.2208	9.9985	....	....	.....	7727		
6267	107 53 12,4	1,68	0,509	.....	−9.0290	+8.4097	0.2246	9.9985	....	....	ii.2123	....	....	Z 1220
6268	50 34 18,7	1,69	0,287	0,00	−9.9859	−8.7274	0.2268	9.9985	2315	78	iii.2309			
6269	89 53 24,2	1,71	0,446	+0,05	−9.6394	−6.2134	0.2324	9.9984	2312	74	ii.2124			
6270	116 40 14,2	1,72	0,543	.....	+8.7738	+8.5841	0.2342	9.9984	....	....	.....	7732		
6271	119 20 13,1	1,72	−0,555	.....	+9.0406	+8.6225	0.2346	9.9984	....	....	.....	7730		
6272	22 38 16,5	1,75	+0,018	−0,04	−0.0360	−8.9053	0.2424	9.9984	....	93	iii.2315			
6273	115 20 52,3	1,76	−0,538	+0,14	+8.5353	+8.5743	0.2450	9.9983	....	75	iii.2310	7738	....	M 727
6274	123 35 7,8	1,76	0,575	−0,01	+9.2778	+8.6866	0.2459	9.9983	....	71	iv.1260	7733		
6275	123 8 13,2	1,76	0,572	.....	+9.2579	+8.6819	0.2464	9.9983	....	72	iii.2311	7735		
6276	148 48 9,4	1,78	0,766	+0,30	+9.7974	+8.8797	0.2498	9.9983	....	....	v.3133	7716	6416	
6277	132 0 22,5	1,78	0,620	+0,14	+9.5367	+8.7741	0.2508	9.9983	....	70	iii.2312	7731	6418	
6278	136 0 34,3	1,80	0,646	+0,16	+9.6182	+8.8110	0.2562	9.9982	....	73	iii.2313	7729	6419	J 468
6279	104 39 23,1	1,80	0,497	+0,01	−9.2248	+8.3573	0.2563	9.9982	2313	....	ii.2125	....	....	P 794, J 470
6280	83 31	1,81	−0,424	.....	−9.7354	−8.0076	0.2571	9.9982	....	....	.....	....	....	A
6281	3 24 9,9	1,81	+2,807	−0,02	−0.0086	−8.9550	0.2580	9.9982	2395	178	ii.2148			
6282	135 51 13,5	1,83	−0,645	+0,10	+9.6152	+8.8160	0.2623	9.9982	....	76	iii.2314	7734	6420	J 469
6283	118 52 58,6	1,84	0,553	.....	+9.0043	+8.6454	0.2636	9.9982	....	....	.....	7745		
6284	104 40 31,9	1,86	0,497	−0,04	−9.2240	+8.3698	0.2683	9.9981	2314	....	ii.2127	....	....	W 966
6285	123 4 54,7	1,86	0,572	+0,12	+9.2550	+8.7035	0.2686	9.9981	....	79	ii.2126	7746		
6286	113 20 40,2	1,86	0,529	.....	−7.5911	+8.5664	0.2706	9.9981	....	....	.....	....	....	B.F 2501
6287	108 49 3,9	1,87	−0,512	+0,09	−8.9523	+8.4778	0.2714	9.9981	....	82	ii.2128	....	....	M 728
6288	18 33 25,0	1,87	+0,130	−0,08	−0.0342	−8.9469	0.2723	9.9981	2331	....	.....	....	....	A 427
6289	31 17 6,8	1,90	−0,128	−0,04	−0.0319	−8.9078	0.2783	9.9981	2328	98	ii.2131			
6290	92 4 42,3	1,91	0,453	+0,06	−9.5995	+7.5387	0.2815	9.9980	2317	86	ii.2129			
6291	142 59 34,9	1,96	0,702	−0,10	+9.7271	+8.8928	0.2928	9.9979	....	....	v.3135	7743	6424	
6292	108 59 54,0	1,97	0,512	+0,27	−8.9360	+8.5043	0.2939	9.9979	....	88	ii.2130	....	....	M 729
6293	108 21 37,1	1,98	0,510	+0,02	−8.9930	+8.4919	0.2958	9.9979	....	91	iii.2317			
6294	108 30 1,5	1,98	0,510	+0,09	−8.9809	+8.4956	0.2963	9.9979	....	92	ii.2132	....	....	M 730
6295	119 16 58,6	1,98	0,554	.....	+9.0342	+8.6841	0.2969	9.9979	....	....	.....	7759		
6296	132 24 52,2	1,99	−0,622	+0,13	+9.5451	+8.8260	0.2993	9.9979	....	85	iii.2316	7756	6427	J 471
6297	18 44 36,9	2,00	+0,123	−0,01	−0.0341	−8.9753	0.3012	9.9978	2334	113	iii.2321			
6298	128 49 35,7	2,01	−0,601	+0,04	+9.4559	+8.7985	0.3035	9.9978	....	89	iii.2318	7758	6429	
6299	109 13 33,0	2,01	0,513	+0,13	−8.9149	+8.5194	0.3040	9.9978	....	94	ii.2133	....	....	W 971
6300	66 13 47,2	−2,04	−0,361	0,00	−9.9021	−8.6133	−0.3101	−9.9977	....	100	ii.2134			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6301	Sagittarii	7	18 23 39,43	+3,530	−0,0027	−0,009	+7.8614	−8.8461	+0.5478	−7.3757
6302	44 Draconis ..... χ	4½	23 45,53	−1,190	−0,0189	+0,117	8.3647	9.3475	−0.0757	+8.3445
6303*	Sagittarii	7½	23 47,91	+3,434	−0,0023	−0,008	7.8551	8.8372	+0.5358	−7.2760
6304*	Sagittarii	7	24 3,93	3,669	−0,0033	−0,019	7.8843	8.8615	0.5645	−7.4973
6305	Sagittarii	5½	24 7,20	3,938	−0,0045	0,000	7.9223	8.8985	0.5953	−7.6599
6306*	Sagittarii	6½	24 9,32	3,426	−0,0024	−0,001	7.8609	8.8365	0.5348	−7.2731
6307	61 Serpentis ..... e	6	24 12,45	3,096	−0,0015	+0,007	7.8470	8.8216	0.4908	−6.1323
6308	Sagittarii	7	24 14,98	3,937	−0,0045	+0,001	7.9244	8.8983	0.5951	−7.6614
6309	Sagittarii	7	24 22,78	3,515	−0,0027	−0,001	7.8729	8.8444	0.5459	−7.3738
6310*	Sagittarii	6½	24 37,12	3,869	−0,0043	.....	7.9210	8.8883	0.5876	−7.6327
6311	Draconis	6	24 37,91	0,804	−0,0040	.....	8.1504	9.1174	9.9052	+8.0862
6312	24 Sagittarii	6	24 43,74	3,666	−0,0034	+0,002	7.8958	8.8611	0.5642	−7.5075
6313*	Sagittarii	6½	25 4,74	3,426	−0,0025	0,000	7.8772	8.8363	0.5348	−7.2891
6314*	25 Sagittarii	7	25 22,32	3,671	−0,0035	+0,013	7.9076	8.8616	0.5648	−7.5225
6315	Pavonis..... ζ	4	25 29,29	7,052	−0,0371	−0,007	8.3687	9.3208	0.8483	−8.3458
6316	42 Draconis	6	25 33,19	0,159	−0,0079	+0,016	8.2521	9.2030	9.2017	+8.2110
6317	Sagittarii	6½	25 36,61	3,934	−0,0048	−0,003	7.9476	8.8976	0.5948	−7.6838
6318	Draconis	6	25 37,99	0,820	−0,0041	.....	8.1655	9.1151	9.9136	+8.1006
6319*	Sagittarii	7	26 7,43	+3,839	−0,0045	.....	7.9425	8.8838	+0.5842	−7.6422
6320*	24 Ursæ Minoris	6	26 12,97	−22,053	−0,9904	.....	9.1582	0.0985	−1.3435	+9.1576
6321*	Sagittarii	7	26 24,67	+3,831	−0,0045	.....	7.9462	8.8826	+0.5834	−7.6426
6322	Herculis	6	26 31,73	2,493	−0,0006	+0,005	7.9241	8.8586	0.3967	+7.5250
6323	Sagittarii	7	26 32,65	3,538	−0,0031	−0,005	7.9121	8.8463	0.5487	−7.4330
6324*	Aquilæ	6	26 42,19	3,331	−0,0023	+0,003	7.8975	8.8292	0.5226	−7.1816
6325	1 Aquilæ	5½	27 2,69	3,265	−0,0021	0,000	7.8994	8.8255	0.5139	−7.0611
6326*	Sagittarii	neb.	27 15,73	3,662	−0,0037	.....	7.9376	8.8602	0.5638	−7.5474
6327*	Sagittarii	7	27 33,91	3,795	−0,0044	.....	7.9596	8.8773	0.5792	−7.6399
6328	Pavonis.....	6	27 42,84	5,888	−0,0233	−0,002	8.2757	9.1911	0.7699	−8.2322
6329	Sagittarii	7	27 44,25	3,824	−0,0047	−0,008	7.9664	8.8814	0.5826	−7.6600
6330	Telescopii.....	6½	27 53,40	4,546	−0,0095	+0,013	8.0829	8.9954	0.6576	−7.9542
6331*	Sagittarii	7	27 54,54	3,711	−0,0040	.....	7.9539	8.8662	0.5695	−7.5922
6332	Sagittarii	7	27 59,42	3,485	−0,0030	+0,004	7.9298	8.8408	0.5421	−7.4037
6333	Sagittarii	7	28 16,67	3,536	−0,0033	−0,009	7.9393	8.8458	0.5485	−7.4591
6334*	Sagittarii	7	28 31,12	3,926	−0,0054	.....	7.9932	8.8960	0.5939	−7.7269
6335	Draconis	6	28 45,33	1,373	−0,0022	.....	8.1320	9.0312	0.1375	+8.0286
6336*	Sagittarii	6½	28 55,50	3,594	−0,0036	−0,001	7.9552	8.8518	0.5555	−7.5196
6337	Pavonis.....	6	28 59,71	5,874	−0,0241	+0,014	8.2939	9.1894	0.7690	−8.2500
6338*	Sagittarii	7	29 2,42	3,704	−0,0042	.....	7.9702	8.8650	0.5687	−7.6046
6339*	Sagittarii	7	29 5,95	3,841	−0,0049	.....	7.9896	8.8835	0.5844	−7.6905
6340	Sagittarii	7	29 8,65	3,485	−0,0031	−0,009	7.9473	8.8406	0.5422	−7.4219
6341	Herculis	6	29 15,88	2,494	−0,0007	+0,009	7.9665	8.8579	0.3970	+7.5669
6342*	Sagittarii	7	29 17,69	3,856	−0,0050	.....	7.9947	8.8857	0.5862	−7.7020
6343	Sagittarii	6	29 23,22	3,651	−0,0040	+0,003	7.9687	8.8584	0.5624	−7.5716
6344*	Sagittarii	7	29 40,16	3,936	−0,0056	.....	8.0119	8.8973	0.5950	−7.7494
6345*	Sagittarii	7	18 29 46,38	+3,784	−0,0048	.....	+7.9916	−8.8755	+0.5780	−7.6674

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6301	109 4 26,3	−2,07	−0,512	+0,03	−8.9294	+8.5273	−0.3152	−9.9977	....	95	iii.2319	....	....	M 731
6302	17 19 59,1	2,08	+0,173	+0,35	−0.0329	−8.9947	0.3171	9.9977	2337	119	ii.2143			
6303	105 16 51,4	2,08	−0,498	.....	−9.1945	+8.4365	0.3178	9.9977	2320	....	.....	....	....	L 298
6304	114 12 49,7	2,10	0,532	+0,08	+8.0828	+8.6334	0.3226	9.9976	2319	99	ii.2136	....	....	W 973
6305	123 7 21,0	2,11	0,571	+0,13	+9.2550	+8.7589	0.3236	9.9976	....	96	ii.2135	7761		
6306	104 58 13,1	2,11	0,497	+0,05	−9.2103	+8.4342	0.3243	9.9976	2323	101	ii.2137	....	....	M 732
6307	91 6 19,3	2,11	0,449	+0,03	−9.6177	+7.3083	0.3252	9.9976	2325	104	ii.2139			
6308	123 4 29,4	2,12	0,571	+0,64	+9.2531	+8.7607	0.3259	9.9976	....	97	iv.1267	7762		
6309	108 28 21,0	2,13	0,510	+0,10	−8.9845	+8.5269	0.3283	9.9975	....	102	ii.2140	....	....	M 733
6310	120 59 17,5	2,15	0,561	.....	+9.1457	+8.7419	0.3325	9.9975	....	....	.....	7767	....	
6311	30 23 16,1	2,15	0,117	.....	−0.0323	−8.9663	0.3327	9.9975	....	....	.....	....	....	G 2584
6312	114 8 17,0	2,16	0,532	0,00	+8.0253	+8.6438	0.3344	9.9975	2324	105	ii.2141	7769	....	M 734
6313	104 57 40,1	2,19	0,497	+0,06	−9.2114	+8.4502	0.3405	9.9974	2327	107	ii.2142	....	....	M 736
6314	114 19 51,6	2,22	0,532	−0,02	+8.1492	+8.6582	0.3455	9.9973	2326	108	iii.2323	7774	....	M 735
6315	161 32 44,6	2,23	1,022	+0,16	+9.9060	+9.0223	0.3475	9.9973	....	....	ii.2138	7736	6436	J 472
6316	24 31 46,0	2,23	0,023	+0,06	−0.0352	−9.0053	0.3486	9.9973	2336	124	iii.2325			
6317	123 0 2,8	2,24	0,570	−0,07	+9.2487	+8.7834	0.3495	9.9973	....	109	iii.2324	7772		
6318	30 32 59,9	2,24	0,119	.....	−0.0320	−8.9828	0.3499	9.9973	....	....	.....	....	....	G 2590
6319	120 3 2,2	2,28	−0,556	.....	+9.0860	+8.7556	0.3581	9.9972	....	....	.....	7777		
6320	3 1 34,6	2,29	+3,195	−0,01	−0.0065	−9.0563	0.3591	9.9972	2417	227	iii.2334			
6321	119 48 18,1	2,31	−0,555	.....	+9.0689	+8.7570	0.3629	9.9971	....	....	.....	7778		
6322	66 29 29,1	2,32	0,361	0,00	−9.8999	−8.6634	0.3648	9.9971	....	116	ii.2146			
6323	109 22 52,0	2,32	0,513	+0,09	−8.9020	+8.5838	0.3650	9.9971	....	112	ii.2144	....	....	M 737
6324	101 5 21,0	2,33	0,483	+0,02	−9.3709	+8.3495	0.3676	9.9971	2329	114	ii.2145	....	....	W 980
6325	98 20 36,3	2,36	0,473	+0,29	−9.4553	+8.2326	0.3731	9.9970	2330	115	ii.2147			
6326	114 1 31,0	2,38	0,530	.....	+7.8976	+8.6841	0.3766	9.9969	....	....	.....	7786		
6327	118 37 0,8	2,41	0,549	.....	+8.9754	+8.7594	0.3814	9.9969	....	....	.....	7787		
6328	154 46 21,1	2,42	0,852	+0,55	+9.8531	+9.0379	0.3837	9.9968	....	....	.....	7766	6446	
6329	119 35 29,1	2,42	0,554	+0,04	+9.0523	+8.7754	0.3841	9.9968	....	118	iv.1271	7788		
6330	138 1 54,1	2,44	0,658	−0,08	+9.6511	+8.9555	0.3864	9.9968	....	....	v.3141	7780	6448	
6331	115 46 16,2	2,44	0,537	.....	+8.6107	+8.7228	0.3867	9.9968	....	....	.....	7791		
6332	107 19 24,7	2,44	0,504	−0,01	−9.0745	+8.5596	0.3880	9.9968	....	120	iii.2326			
6333	109 19 40,1	2,47	0,512	+0,03	−8.9085	+8.6100	0.3924	9.9967	....	121	iii.2329	....	....	M 738
6334	122 47 47,0	2,49	0,568	.....	+9.2373	+8.8276	0.3961	9.9966	....	....	.....	7794		
6335	37 59 44,4	2,51	0,199	.....	−0.0208	−8.9940	0.3996	9.9966	....	....	.....	....	....	G 2601
6336	111 31 0,7	2,52	0,520	+0,14	−8.5999	+8.6644	0.4022	9.9965	2332	125	ii.2150	....	....	M 739
6337	154 41 1,5	2,53	0,850	+0,40	+9.8519	+9.0571	0.4032	9.9965	....	....	.....	7773	6451	
6338	115 31 42,3	2,53	0,536	.....	+8.5551	+8.7361	0.4039	9.9965	....	....	.....	7804		
6339	120 8 57,8	2,54	0,556	.....	+9.0896	+8.8035	0.4048	9.9965	....	....	.....	7801		
6340	107 21 11,5	2,54	0,504	+0,05	−9.0730	+8.5778	0.4054	9.9965	....	128	ii.2151	....	....	M 741
6341	66 30 45,1	2,55	0,361	+0,05	−9.8994	−8.7055	0.4072	9.9965	....	132	ii.2153	....	....	W 986
6342	120 38 40,2	2,56	0,558	.....	+9.1209	+8.8127	0.4076	9.9964	....	....	.....	7803		
6343	113 37 33,5	2,56	0,528	−0,03	−6.0000	+8.7097	0.4090	9.9964	2333	129	ii.2152	7806	....	B.F 2512
6344	123 7 30,5	2,59	0,569	.....	+9.2516	+8.8485	0.4131	9.9964	....	....	.....	7805		
6345	118 17 51,0	−2,60	−0,547	.....	+8.9440	+8.7882	−0.4146	−9.9963	....	....	.....	7808		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6346*	Sagittarii	7	18 29 56,17	+3,642	−0,0040	.....	+7.9757	−8.8572	+0.5613	−7.5730
6347*	Sagittarii	6½	29 56,83	3,584	−0,0037	+0,004	7.9692	8.8506	0.5544	−7.5269
6348*	45 Draconis ..... *d*	5½	29 59,32	1,035	−0,0036	+0,007	8.2026	9.0833	0.0148	+8.1258
6349*	Lyræ.....	7	30 19,61	2,006	−0,0007	−0,006	8.0524	8.9282	0.3023	+7.8492
6350*	Draconis	5	30 32,05	1,360	−0,0023	.....	8.1602	9.0330	0.1335	+8.0581
6351*	Sagittarii	7	30 37,48	3,707	−0,0044	.....	7.9935	8.8650	0.5690	−7.6297
6352*	Pavonis	5	30 43,39	5,912	−0,0261	+0,025	8.3240	9.1941	0.7718	−8.2813
6353	Pavonis	6	31 12,20	7,445	−0,0532	−0,033	8.4944	9.3577	0.8718	−8.4754
6354*	Pavonis	6	31 24,35	5,482	−0,0209	.....	8.2769	9.1373	0.7389	−8.2196
6355	3 Lyræ..... *α*	1	31 51,43	2,012	−0,0007	+0,020	8.0729	8.9270	0.3036	+7.8685
6356	26 Sagittarii	6	32 42,75	3,659	−0,0044	+0,007	8.0161	8.8586	0.5634	−7.6249
6357	Lyræ.....	6	33 8,96	1,979	−0,0008	+0,001	8.0955	8.9322	0.2963	+7.8994
6358	Sagittarii	7	33 9,95	3,418	−0,0033	+0,006	7.9974	8.8338	0.5337	−7.4018
6359	Coronæ Aust. .. *λ*	5½	33 29,55	4,121	−0,0077	+0,003	8.0933	8.9255	0.6150	−7.8871
6360*	Pavonis ..... *θ*	5	33 51,52	5,936	−0,0292	−0,048	8.3696	9.1969	0.7735	−8.3276
6361	2 Aquilæ	5	34 3,69	3,285	−0,0028	+0,004	8.0000	8.8247	0.5165	−7.2034
6362	Sagittarii	6	34 16,10	4,024	−0,0071	−0,006	8.0879	8.9099	0.6046	−7.8548
6363	Coronæ Aust.	6	34 31,47	4,173	−0,0084	−0,025	8.1149	8.9336	0.6205	−7.9214
6364	Lyræ.....	6	34 42,79	1,930	−0,0010	.....	8.1235	8.9398	0.2855	+7.9387
6365	Lyræ.....	6	35 7,15	2,030	−0,0008	+0,015	8.1124	8.9236	0.3074	+7.9040
6366*	Telescopii.....	6	35 20,60	4,659	−0,0132	−0,050	8.2044	9.0128	0.6683	−8.0902
6367	3 Aquilæ	5½	35 21,04	3,266	−0,0027	+0,004	8.0151	8.8234	0.5140	−7.1806
6368*	Draconis	6	35 34,78	1,176	−0,0036	.....	8.2558	9.0613	0.0706	+8.1697
6369	Sagittarii	6	35 36,34	3,691	−0,0050	+0,005	8.0568	8.8619	0.5671	−7.6853
6370	Telescopii.....	6½	35 51,41	4,632	−0,0131	+0,002	8.2065	9.0085	0.6658	−8.0894
6371	27 Sagittarii ..... *φ*	4½	36 17,15	3,747	−0,0055	+0,011	8.0723	8.8691	0.5737	−7.7314
6372	Draconis	6	36 26,23	1,378	−0,0027	+0,015	8.2346	9.0296	0.1391	+8.1315
6373	Draconis	6	36 34,73	0,731	−0,0064	.....	8.3337	9.1270	9.8637	+8.2737
6374*	Sagittarii	7	36 37,43	+3,761	−0,0056	.....	8.0782	8.8709	+0.5754	−7.7444
6375	Draconis	5½	36 56,63	−2,846	−0,0634	.....	8.6915	9.4804	−0.4542	+8.6810
6376	Sagittarii	7	37 9,43	+3,545	−0,0043	−0,008	8.0582	8.8445	+0.5496	−7.5872
6377*	Sagittarii	7	37 13,78	3,826	−0,0062	.....	8.0942	8.8797	0.5827	−7.7903
6378	Coronæ Aust.	6	37 15,47	4,200	−0,0093	+0,011	8.1524	8.9375	0.6232	−7.9655
6379	4 Aquilæ	5½	37 15,81	3,027	−0,0019	+0,005	8.0333	8.8184	0.4809	+6.5568
6380	28 Sagittarii	6	37 17,93	3,618	−0,0048	+0,006	8.0680	8.8527	0.5585	−7.6517
6381	Coronæ Aust. .. η^1	6	38 0,66	4,337	−0,0108	0,000	8.1835	8.9598	0.6372	−8.0240
6382*	Sagittarii	7	38 9,77	3,785	−0,0060	.....	8.0992	8.8737	0.5780	−7.7770
6383	Pavonis ..... *λ*	5	38 19,00	5,587	−0,0272	+0,033	8.3785	9.1512	0.7472	−8.3259
6384	5 Aquilæ	7	38 43,76	3,096	−0,0023	+0,003	8.0498	8.8178	0.4908	−6.3390
6385	Coronæ Aust. .. η^2	6	38 47,28	4,325	−0,0108	−0,004	8.1905	8.9578	0.6360	−8.0290
6386*	Sagittarii	7½	38 58,54	3,562	−0,0047	+0,007	8.0806	8.8458	0.5516	−7.6236
6387	110 Herculis	5	39 12,47	2,581	−0,0009	+0,004	8.0831	8.8457	0.4117	+7.6256
6388	6 Aquilæ	5½	39 12,89	3,184	−0,0027	+0,003	8.0566	8.8191	0.5029	−6.9887
6389*	Sagittarii	7	39 16,05	3,922	−0,0073	.....	8.1314	8.8933	0.5935	−7.8659
6390	4 Lyræ..... ε^1	5	18 39 22,25	+1,984	−0,0010	+0,002	+8.1695	−8.9302	+0.2976	+7.9731

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6346	113 18 24,6	−2,61	−0,527	.....	−7.7924	+8.7121	−0.4170	−9.9963	....	....	.....	7811		
6347	111 10 15,5	2,61	0,518	+0,34	−8.6684	+8.6726	0.4172	9.9963	2335	131	ii.2154	....	....	M 742
6348	33 4 3,3	2,62	0,150	+0,02	−0.0285	−9.0388	0.4178	9.9963	2340	139	iii.2331			
6349	51 13 28,6	2,65	0,290	+0,07	−9.9819	−8.9171	0.4226	9.9962	2339	137	iii.2332	....	....	G 2607
6350	37 45 51,0	2,66	0,197	.....	−0.0209	−9.0212	0.4255	9.9961	....	....	.....	....	....	G 2612
6351	115 38 14,6	2,67	0,536	.....	+8.5752	+8.7608	0.4268	9.9961	....	....	.....	7818		
6352	155 0 9,9	2,68	0,855	−0,02	+9.8542	+9.0833	0.4282	9.9961	....	....	ii.2155	7785	6458	J 473
6353	163 9 3,1	2,72	1,076	+1,13	+9.9151	+9.1136	0.4349	9.9960	....	....	.....	7771	6456	
6354	151 13 20,7	2,74	0,792	.....	+9.8192	+9.0782	0.4377	9.9959	....	....	.....	7797		
6355	51 21 13,6	2,78	0,291	−0,28	−9.9811	−8.9372	0.4439	9.9958	2341	143	ii.2156	....	6466	M 743
6356	113 58 2,7	2,85	0,528	+0,01	+7.7482	+8.7618	0.4553	9.9956	2338	141	iii.2335	7825		
6357	50 27 44,9	2,89	0,286	+0,09	−9.9844	−8.9626	0.4610	9.9954	....	153	iii.2338	....	....	G 2623
6358	104 42 7,8	2,89	0,493	+0,22	−9.2271	+8.5635	0.4612	9.9954	....	144	ii.2159			
6359	128 27 40,3	2,92	0,595	+0,09	+9.4403	+8.9570	0.4654	9.9954	....	142	iii.2336	7827	6468	
6360	155 13 31,3	2,95	0,856	+0,15	+9.8550	+9.1260	0.4701	9.9952	....	....	ii.2158	7813	6467	
6361	99 11 27,5	2,97	0,474	0,00	−9.4320	+8.3739	0.4727	9.9952	2342	149	ii.2160	....	....	J 474
6362	125 47 3,5	2,99	0,580	+0,23	+9.3545	+8.9401	0.4753	9.9951	....	146	iii.2339	7830		
6363	129 49 54,6	3,01	0,602	+0,20	+9.4771	+8.9828	0.4785	9.9951	....	147	iii.2340	7829		
6364	49 11 59,4	3,03	0,278	.....	−9.9888	−8.9939	0.4809	9.9950	....	....	.....	....	....	G 2627
6365	51 46 11,9	3,06	0,293	+0,06	−9.9789	−8.9752	0.4859	9.9949	....	160	iii.2342	....	....	G 2629
6366	140 14 28,8	3,08	0,671	−0,10	+9.6831	+9.0722	0.4886	9.9948	....	....	v.3145	7833	6474	
6367	98 25 2,9	3,08	0,471	−0,06	−9.4544	+8.3520	0.4887	9.9948	2343	157	ii.2161			
6368	34 53 24,5	3,10	0,170	−0,28	−0.0247	−9.1032	0.4915	9.9948	2348	....	.....	....	....	G 2634
6369	115 9 29,8	3,10	0,532	+0,28	+8.4346	+8.8181	0.4918	9.9947	....	155	ii.2162	7842	....	W 990
6370	139 46 55,2	3,13	0,667	+0,24	+9.6759	+9.0755	0.4948	9.9947	....	....	v.3148	7835	6477	
6371	117 8 22,3	3,16	0,540	+0,03	+8.8082	+8.8569	0.5000	9.9945	2344	159	ii.2163	7844	6482	M744,J475
6372	37 56 35,6	3,18	0,198	−0,03	−0.0193	−9.0964	0.5017	9.9945	....	170	iii.2344	....	....	G 2638
6373	29 25 41,1	3,19	0,105	.....	−0.0306	−9.1412	0.5034	9.9944	....	....	.....	....	....	G 2642
6374	117 37 27,9	3,19	−0,542	.....	+8.8651	+8.8679	0.5040	9.9944	....	....	.....	7849		
6375	12 34 28,2	3,22	+0,410	.....	−0.0245	−9.1949	0.5077	9.9943	....	....	.....	....	....	G 2655
6376	109 45 30,9	3,24	−0,510	+0,06	−8.8739	+8.7370	0.5102	9.9943	....	162	iii.2346	....	....	M 745
6377	119 46 46,1	3,24	0,551	.....	+9.0546	+8.9049	0.5110	9.9942	....	....	.....	7853		
6378	130 33 37,1	3,25	0,605	+0,14	+9.4942	+9.0222	0.5113	9.9942	....	161	iii.2345	7846		
6379	88 5 13,8	3,25	0,436	−0,02	−9.6689	−7.7326	0.5114	9.9942	2346	167	ii.2165			
6380	112 32 35,4	3,25	0,521	−0,01	−8.3522	+8.7932	0.5118	9.9942	2345	164	ii.2164			
6381	133 50 12,4	3,31	0,624	+0,20	+9.5683	+9.0582	0.5200	9.9940	....	166	iii.2348	7852	6491	
6382	118 26 7,3	3,32	0,544	.....	+8.9445	+8.8972	0.5217	9.9940	....	....	.....	7863		
6383	152 21 1,9	3,34	0,804	+0,01	+9.8274	+9.1685	0.5234	9.9939	....	....	ii.2166	7841	6489	J 476
6384	91 6 54,8	3,37	0,445	+0,05	−9.6177	+7.5150	0.5280	9.9938	2349	176	iii.2352			
6385	133 35 37,0	3,38	0,622	+0,19	+9.5628	+9.0650	0.5287	9.9938	....	169	iii.2350	7859	6493	
6386	110 25 58,0	3,39	0,512	+0,15	−8.7966	+8.7715	0.5307	9.9937	2347	175	iii.2353	....	....	M 746
6387	69 35 36,3	3,41	0,371	+0,35	−9.8752	−8.7735	0.5333	9.9936	2351	181	ii.2168			
6388	94 54 19,1	3,42	0,458	+0,08	−9.5417	+8.1632	0.5334	9.9936	2350	177	ii.2167			
6389	122 52 0,2	3,42	0,564	.....	+9.2310	+8.9663	0.5340	9.9936	....	....	.....	7866		
6390	50 29 2,8	−3,43	−0,285	−0,07	−9.9830	−9.0365	−0.5351	−9.9936	2355	183	ii.2169			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6391	5 Lyræ.....ε^2	5	18 39 24,60	+1,986	−0,0010	+0,002	+8.1695	−8.9298	+0.2981	+7.9727
6392	6 Lyræ.....ζ^1	5	39 36,35	2,062	−0,0009	+0,002	8.1596	8.9177	0.3142	+7.9436
6393	Draconis	6	39 37,20	0,530	−0,0087	.....	8.3965	9.1545	9.7240	+8.3449
6394	7 Lyræ.....ζ^2	5½	39 38,29	2,062	−0,0009	+0,003	8.1599	8.9176	0.3143	+7.9438
6395	46 Draconis ..... *e*	5	39 43,51	1,162	−0,0040	−0,002	8.3063	9.0630	0.0654	+8.2217
6396*	Sagittarii	7	40 15,69	3,750	−0,0061	.....	8.1176	8.8684	0.5740	−7.7790
6397	111 Herculis	5½	40 24,07	2,642	−0,0010	+0,010	8.0897	8.8390	0.4220	+7.5801
6398*	Telescopii.....$\varkappa$	5½	40 45,47	4,772	−0,0166	+0,006	8.2850	9.0303	0.6787	−8.1831
6399	29 Sagittarii	6	40 45,99	3,562	−0,0049	+0,003	8.1001	8.8454	0.5517	−7.6443
6400*	Sagittarii	7	41 9,93	3,630	−0,0054	.....	8.1120	8.8529	0.5599	−7.7042
6401	Sagittarii	7	41 17,55	3,739	−0,0062	+0,006	8.1271	8.8667	0.5728	−7.7832
6402	Telescopii.....	6	41 19,62	4,760	−0,0168	−0,013	8.2893	9.0285	0.6777	−8.1864
6403*	Sagittarii	7	41 19,65	3,865	−0,0072	.....	8.1451	8.8843	0.5871	−7.8585
6404	Lyræ.....	6	41 25,19	1,916	−0,0012	.....	8.2027	8.9409	0.2824	+8.0221
6405	Pavonis.....$\varkappa$	5	41 28,09	6,232	−0,0418	+0,027	8.4947	9.2324	0.7947	−8.4600
6406*	Coronæ Aust.	6	41 35,88	4,250	−0,0109	−0,003	8.2085	8.9448	0.6284	−8.0330
6407	30 Sagittarii	6	41 49,48	3,611	−0,0053	+0,001	8.1166	8.8505	0.5576	−7.6963
6408*	Sagittarii	7	42 7,24	3,750	−0,0064	.....	8.1372	8.8680	0.5740	−7.7992
6409	Pavonis	6	42 15,24	7,143	−0,0643	−0,008	8.5998	9.3292	0.8539	−8.5783
6410*	Draconis	6	42 31,81	0,711	−0,0077	.....	8.4029	9.1293	9.8518	+8.3442
6411	Pavonis	6	42 44,39	6,811	−0,0566	+0,124	8.5717	9.2960	0.8332	−8.5464
6412	Telescopii.....	6	42 58,47	4,639	−0,0158	−0,018	8.2868	9.0087	0.6664	−8.1714
6413*	Sagittarii	7	43 4,68	3,815	−0,0071	.....	8.1559	8.8767	0.5815	−7.8489
6414*	Sagittarii	6½	43 5,87	3,857	−0,0074	.....	8.1621	8.8827	0.5862	−7.8728
6415	31 Sagittarii	6	43 7,61	3,604	−0,0055	+0,005	8.1290	8.8493	0.5567	−7.7043
6416*	Sagittarii	7	43 9,19	+3,735	−0,0064	.....	8.1456	8.8656	+0.5722	−7.7999
6417	Ursæ Minoris	6	43 10,68	−8,021	−0,2963	.....	9.0261	9.7458	−0.9042	+9.0230
6418*	7 Aquilæ	6½	43 13,23	+3,149	−0,0027	−0,002	8.0976	8.8169	+0.4982	−6.8743
6419	Draconis	5	43 21,55	1,339	−0,0034	.....	8.3170	9.0349	0.1268	+8.2183
6420	8 Aquilæ	6½	43 29,68	3,151	−0,0028	+0,006	8.1004	8.8168	0.4984	−6.8844
6421	Draconis	6	43 37,12	1,546	−0,0024	.....	8.2862	9.0014	0.1892	+8.1657
6422*	Sagittarii	7	43 44,62	+3,767	−0,0068	.....	8.1558	8.8698	+0.5760	−7.8265
6423*	Ursæ Minoris	6	43 48,25	−7,705	−0,2826	0,000	9.0201	9.7334	−0.8868	+9.0169
6424*	Sagittarii	7	43 56,39	+3,896	−0,0079	.....	8.1763	8.8882	+0.5906	−7.9024
6425	Pavonis.....χ	6	44 1,09	5,784	−0,0350	−0,043	8.4658	9.1769	0.7622	−8.4201
6426	8 Lyræ.....ν^1	6	44 10,58	2,230	−0,0007	−0,003	8.1809	8.8905	0.3483	+7.9128
6427	9 Lyræ.....ν^2	6	44 16,66	2,239	−0,0007	−0,002	8.1806	8.8892	0.3500	+7.9094
6428	Draconis	5½	44 18,38	1,583	−0,0022	.....	8.2871	8.9953	0.1994	+8.1622
6429	10 Lyræ.....β	3	44 32,55	2,213	−0,0008	+0,002	8.1871	8.8930	0.3449	+7.9255
6430	Pavonis.....	6	44 51,45	+6,137	−0,0431	+0,052	8.5181	9.2209	+0.7880	−8.4816
6431*	Draconis	7	44 51,72	−0,660	−0,0262	.....	8.5922	9.2949	−9.8197	+8.5669
6432	33 Sagittarii	6	45 2,21	+3,588	−0,0056	+0,006	8.1459	8.8469	+0.5549	−7.7107
6433	Telescopii.....	6	45 5,92	4,588	−0,0159	−0,013	8.2997	9.0000	0.6617	−8.1786
6434	32 Sagittarii .....ν^1	5	45 6,77	3,625	−0,0058	+0,002	8.1510	8.8512	0.5593	−7.7415
6435*	Coronæ Aust.	6	18 45 13,12	+4,079	−0,0100	+0,019	+8.2172	−8.9163	+0.6106	−8.0023

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6391	50 32 30,1	−3,43	−0,285	−0,08	−9.9829	−9.0364	−0.5355	−9.9936	2356	184	ii.2170			
6392	52 32 52,4	3,45	0,296	−0,07	−9.9747	−9.0194	0.5376	9.9935	2357	187	ii.2171			
6393	27 23 58,8	3,45	0,076	.....	−0.0311	−9.1839	0.5378	9.9935	....	....	.....	....	....	G 2658
6394	52 33 27,9	3,45	0,296	−0,09	−9.9747	−9.0196	0.5380	9.9935	2358	189	iii.2355			
6395	34 36 40,6	3,46	0,167	0,00	−0.0242	−9.1521	0.5389	9.9934	2360	195	ii.2172			
6396	117 17 29,4	3,51	0,539	.....	+8.8182	+8.9038	0.5447	9.9933	....	....	.....	7875		
6397	71 58 53,6	3,52	0,379	−0,12	−9.8556	−8.7344	0.5462	9.9932	2354	192	ii.2173			
6398	142 16 24,3	3,55	0,685	+0,29	+9.7101	+9.1459	0.5500	9.9931	....	....	v.3149	7867	6502	
6399	110 29 26,4	3,55	0,511	0,00	−8.7924	+8.7920	0.5501	9.9931	2352	185	ii.2174	....	....	M 747
6400	113 1 9,2	3,58	0,521	.....	−8.1644	+8.8442	0.5542	9.9930	....	....	.....	7887		
6401	116 56 10,7	3,59	0,537	+0,12	+8.7694	+8.9094	0.5556	9.9929	....	191	iv.1294	7886		
6402	142 6 12,4	3,60	0,683	+0,21	+9.7073	+9.1508	0.5559	9.9929	....	....	v.3151	7870	6506	
6403	121 7 21,5	3,60	0,555	.....	+9.1367	+8.9671	0.5559	9.9929	....	....	.....	7885		
6404	48 43 1,5	3,61	0,275	.....	−9.9891	−9.0741	0.5569	9.9929	....	....	.....	....	....	G 2664
6405	157 24 48,9	3,61	0,894	+0,08	+9.8701	+9.2205	0.5574	9.9929	....	....	.....	7856	6503	
6406	131 52 39,7	3,62	0,610	+0,26	+9.5231	+9.0810	0.5587	9.9928	....	....	v.3153	7881	6511	
6407	112 19 42,7	3,64	0,518	+0,03	−8.4440	+8.8385	0.5611	9.9927	2353	196	ii.2175	....	....	M 748
6408	117 20 9,3	3,67	0,538	.....	+8.8195	+8.9239	0.5641	9.9926	....	....	.....	7893		
6409	162 6 51,3	3,68	1,024	+0,01	+9.9043	+9.2417	0.5655	9.9926	....	....	.....	7848	6505	
6410	29 6 38,7	3,70	0,102	+0,03	−0.0293	−9.2074	0.5682	9.9925	2370	....	.....	....	....	G 2670
6411	160 38 45,0	3,72	0,976	−0,11	+9.8939	+9.2429	0.5704	9.9924	....	....	.....	7857	6510	
6412	140 3 20,6	3,74	0,665	+0,24	+9.6763	+9.1551	0.5727	9.9923	....	....	v.3154	7888	6516	
6413	119 32 49,0	3,75	0,547	.....	+9.0294	+8.9645	0.5737	9.9923	....	....	.....	7899		
6414	120 54 20,7	3,75	0,553	.....	+9.1212	+8.9823	0.5739	9.9923	....	....	.....	7898		
6415	112 5 31,3	3,75	0,516	+0,02	−8.5132	+8.8473	0.5742	9.9923	2359	202	ii.2176	....	....	M 749
6416	116 49 2,8	3,75	−0,535	.....	+8.7474	+8.9266	0.5745	9.9923	....	....	.....	7900		
6417	6 45 11,4	3,76	+1,149	.....	−0.0114	−9.2695	0.5747	9.9923	....	....	.....	....	....	G 2708
6418	93 25 42,1	3,76	−0,451	+0,03	−9.5735	+8.0496	0.5751	9.9922	2361	205	iii.2358			
6419	37 10 29,9	3,77	0,192	.....	−0.0190	−9.1757	0.5765	9.9922	....	....	.....	....	....	G 2671
6420	93 29 13,7	3,78	0,451	−0,03	−9.5723	+8.0597	0.5779	9.9921	2362	206	iii.2359			
6421	40 43 58,1	3,79	0,221	.....	−0.0117	−9.1564	0.5791	9.9921	....	....	.....	....	....	G 2672
6422	117 56 14,0	3,81	−0,539	.....	+8.8842	+8.9488	0.5803	9.9920	....	....	.....	7903		
6423	6 56 42,7	3,81	+1,103	.....	−0.0116	−9.2755	0.5809	9.9920	2412	....	.....	....	....	G 2712
6424	122 9 34,2	3,82	−0,558	.....	+9.1906	+9.0062	0.5822	9.9920	....	....	.....	7902		
6425	154 11 13,3	3,83	0,828	+0,50	+9.8418	+9.2351	0.5830	9.9919	....	....	.....	7879	6518	
6426	57 21 22,9	3,84	0,319	−0,02	−9.9517	−9.0142	0.5845	9.9919	2367	213	iii.2361			
6427	57 37 6,8	3,85	0,320	−0,01	−9.9504	−9.0121	0.5855	9.9918	2368	214	iii.2362			
6428	41 24 11,0	3,85	0,227	.....	−0.0099	−9.1587	0.5858	9.9918	....	....	.....	....	....	G 2677
6429	56 48 29,7	3,87	0,317	+0,02	−9.9544	−9.0242	0.5881	9.9918	2369	215	ii.2177			
6430	156 50 35,0	3,90	−0,878	+0,25	+9.8640	+9.2524	0.5911	9.9916	....	....	.....	7880	6520	
6431	19 22 3,6	3,90	+0,094	+0,09	−0.0291	−9.2636	0.5911	9.9916	2382	....	.....	....	....	B 40
6432	111 32 14,0	3,92	−0,513	−0,04	−8.6405	+8.8554	0.5928	9.9916	2363	210	ii.2178	....	....	M 750
6433	139 10 29,5	3,92	0,656	+0,13	+9.6612	+9.1701	0.5934	9.9915	....	....	v.3156	7904	6523	
6434	112 55 23,8	3,92	0,519	−0,01	−8.2480	+8.8818	0.5935	9.9915	2364	211	ii.2179	7912	....	M751,J477
6435	127 34 3,0	−3,93	−0,583	−0,06	+9.4047	+9.0774	−0.5945	−9.9915	....	....	v.3157	7908	6524	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6436	Pavonis.....ω	5½	18 45 15,29	+5,377	−0,0282	−0,048	+8.4227	−9.1216	+0.7306	−8.3620
6437*	Sagittarii	7	45 18,09	3,741	−0,0068	.....	8.1674	8.8657	0.5729	−7.8254
6438	112 Herculis	5½	45 52,00	2,561	−0,0010	+0,001	8.1529	8.8457	0.4084	+7.7121
6439	Sagittarii	7	45 54,17	3,809	−0,0075	.....	8.1825	8.8750	0.5808	−7.8735
6440	34 Sagittarii .....σ	3	45 57,88	3,723	−0,0068	+0,006	8.1714	8.8632	0.5709	−7.8205
6441	35 Sagittarii .....ν²	5	46 2,90	3,623	−0,0060	+0,009	8.1595	8.8506	0.5590	−7.7488
6442	Coronæ Aust.	6	46 24,41	4,340	−0,0132	0,000	8.2712	8.9588	0.6375	−8.1138
6443	Telescopii.....λ	6	46 27,23	4,817	−0,0197	−0,005	8.3496	9.0368	0.6827	−8.2527
6444	Coronæ Aust.	6	46 29,76	4,077	−0,0102	+0,004	8.2289	8.9156	0.6103	−8.0136
6445*	Sagittarii	7	46 35,71	3,816	−0,0077	.....	8.1901	8.8759	0.5816	−7.8845
6446*	Sagittarii	7	46 45,09	3,885	−0,0084	.....	8.2015	8.8858	0.5894	−7.9242
6447*	Sagittarii	6	46 55	3,460	−0,0048	.....	8.1504	8.8331	0.5390	−7.6050
6448	Sagittarii	6	46 55,82	3,636	−0,0062	+0,007	8.1693	8.8519	0.5606	−7.7675
6449*	Pavonis.....	6	47 28,13	6,471	−0,0539	.....	8.5818	9.2593	0.8110	−8.5519
6450	Sagittarii	7	47 29,79	3,635	−0,0062	+0,013	8.1743	8.8516	0.5605	−7.7721
6451	62 Serpentis	6	48 8,79	2,923	−0,0020	+0,005	8.1458	8.8170	0.4659	+7.1952
6452	Draconis	5	48 13,02	1,349	−0,0037	.....	8.3621	9.0326	0.1301	+8.2632
6453	113 Herculis	5	48 25,24	2,530	−0,0010	+0,005	8.1798	8.8484	0.4032	+7.7619
6454	36 Sagittarii .....ξ¹	6	48 25,59	3,568	−0,0059	+0,001	8.1750	8.8436	0.5525	−7.7263
6455*	Sagittarii	7	48 29,07	3,857	−0,0083	.....	8.2131	8.8811	0.5862	−7.9251
6456	11 Lyræ.....δ¹	5½	48 29,22	2,093	−0,0010	+0,002	8.2426	8.9106	0.3208	+8.0199
6457	Coronæ Aust.	6	48 36,12	4,065	−0,0105	.....	8.2463	8.9132	0.6091	−8.0284
6458	Coronæ Aust. .. ε	5½	48 36,24	4,066	−0,0105	−0,010	8.2465	8.9134	0.6092	−8.0289
6459*	Sagittarii	6½	48 43,63	3,863	−0,0085	.....	8.2162	8.8820	0.5869	−7.9309
6460	63 Serpentis ..... θ	4½	48 45,78	2,979	−0,0023	+0,003	8.1496	8.8151	0.4741	+6.9946
6461	37 Sagittarii .....ξ²	4	48 46,61	3,580	−0,0060	+0,003	8.1794	8.8447	0.5539	−7.7396
6462*	Serpentis	5	48 47,15	2,979	−0,0023	+0,003	8.1498	8.8151	0.4741	+6.9947
6463*	47 Draconis ..... o	5	48 58,99	0,878	−0,0073	+0,008	8.4412	9.1047	9.9436	+8.3752
6464	9 Aquilæ	5½	49 1,82	3,209	−0,0034	+0,010	8.1533	8.8163	0.5063	−7.1751
6465*	Sagittarii	7	49 8,93	3,682	−0,0069	.....	8.1949	8.8568	0.5661	−7.8220
6466	12 Lyræ.....δ²	5	49 15,63	2,097	−0,0010	+0,002	8.2489	8.9098	0.3215	+8.0254
6467	Sagittarii	7	49 16,53	3,562	−0,0059	−0,014	8.1818	8.8426	0.5517	−7.7285
6468*	Lyræ.....	6	49 22,87	+2,197	−0,0008	.....	8.2342	8.8941	+0.3418	+7.9793
6469	Draconis	5	49 28,82	−1,457	−0,0459	+0,008	8.7121	9.3710	−0.1635	+8.6947
6470	Draconis	6	49 30,41	+1,485	−0,0029	.....	8.3517	9.0104	+0.1717	+8.2393
6471	64 Serpentis	6	49 43,94	3,017	−0,0024	+0,003	8.1573	8.8140	0.4796	+6.7689
6472	Pavonis	6	49 47,58	5,747	−0,0389	−0,031	8.5155	9.1716	0.7594	−8.4692
6473	Lyræ.....	6	50 3,75	1,919	−0,0013	.....	8.2847	8.9384	0.2832	+8.1053
6474	Sagittarii	7	50 35,25	3,772	−0,0079	+0,015	8.2193	8.8683	0.5765	−7.8945
6475*	13 Lyræ.....	5	50 46,11	1,822	−0,0016	+0,003	8.3070	8.9544	0.2605	+8.1468
6476	Draconis	6	50 49,72	1,587	−0,0025	−0,001	8.3465	8.9934	0.2007	+8.2221
6477	Draconis	6	51 9,44	+1,040	−0,0061	.....	8.4364	9.0804	+0.0170	+8.3615
6478*	50 Draconis	5	51 10,70	−1,883	−0,0587	−0,018	8.7634	9.4072	−0.2747	+8.7489
6479*	Sagittarii	7	51 12,74	+3,683	−0,0071	.....	8.2127	8.8562	+0.5662	−7.8411
6480*	Lyræ.....	5½	18 51 23,15	+2,233	−0,0009	.....	+8.2459	−8.8879	+0.3490	+7.9787

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
6436	150 23 22,4	−3,93	−0,769	−0,18	+9.8049	+9.2319	−0.5949	−9.9915	....	....	v.3155	7895	6522	
6437	117 3 57,9	3,94	0,535	.....	+8.7767	+8.9511	0.5953	9.9915	....	....	.....	7911		
6438	68 45 0,5	3,99	0,366	−0,07	−9.8806	−8.8576	0.6006	9.9912	2371	224	ii.2182			
6439	119 23 50,2	3,99	0,544	.....	+9.0124	+8.9897	0.6010	9.9912	....	217	iv.1306	7915		
6440	116 28 38,9	4,00	0,532	+0,08	+8.6857	+8.9485	0.6015	9.9912	2365	218	ii.2180	7918	6527	M752, J478
6441	112 51 8,9	4,00	0,518	−0,02	−8.2878	+8.8893	0.6023	9.9912	2366	219	ii.2181	7920	....	M753, J479
6442	134 6 13,0	4,03	0,620	+0,21	+9.5683	+9.1460	0.6057	9.9910	....	....	v.3158	7914	6530	
6443	143 7 38,4	4,04	0,688	−0,29	+9.7187	+9.2069	0.6061	9.9910	....	....	v.3159	7910	6528	
6444	127 31 43,6	4,04	0,582	+0,13	+9.4023	+9.0890	0.6065	9.9910	....	222	v.3160	7916	6532	
6445	119 39 18,8	4,05	0,545	.....	+9.0314	+8.9996	0.6074	9.9910	....	....	.....	7923		
6446	121 52 27,9	4,06	0,555	.....	+9.1720	+9.0293	0.6088	9.9909	....	....	.....	7925		
6447	106 33	4,08	0,494	.....	−9.1370	+8.7627	0.6103	9.9908	....	....	.....	....	....	A
6448	113 21 29,0	4,08	0,519	−0,03	−8.0086	+8.9065	0.6105	9.9908	....	225	ii.2183	7927	....	B.F 2544
6449	158 57 22,8	4,12	0,924	.....	+9.8794	+9.2831	0.6153	9.9906	....	....	.....	7897		
6450	113 19 58,0	4,13	0,519	+0,13	−8.0374	+8.9111	0.6156	9.9906	....	228	iii.2366			
6451	83 34 1,3	4,18	0,417	+0,06	−9.7330	−8.3686	0.6214	9.9904	2374	232	ii.2184			
6452	37 13 11,1	4,19	0,192	.....	−0.0176	−9.2209	0.6220	9.9903	....	....	.....	....	....	G 2699
6453	67 32 25,5	4,21	0,361	−0,06	−9.8890	−8.9037	0.6238	9.9902	2378	239	ii.2186			
6454	110 50 48,9	4,21	0,509	0,00	−8.7604	+8.8730	0.6239	9.9902	2372	231	ii.2185	....	....	M 754
6455	121 0 48,8	4,21	0,550	.....	+9.1202	+9.0342	0.6244	9.9902	....	....	.....	7936		
6456	53 12 44,4	4,21	0,299	−0,02	−9.9699	−9.0995	0.6244	9.9902	2380	243	iii.2368			
6457	127 15 49,4	4,22	0,580	.....	+9.3918	+9.1053	0.6254	9.9902	....	....	v.3165	....	6543	
6458	127 17 50,7	4,22	0,580	+0,21	+9.3931	+9.1057	0.6255	9.9902	....	230	v.3164	7931	6542	
6459	121 13 47,3	4,23	0,551	.....	+9.1326	+9.0390	0.6265	9.9901	....	....	.....	7941		
6460	85 59 12,9	4,24	0,425	−0,10	−9.7001	−8.1696	0.6269	9.9901	2376	236	ii.2188			
6461	111 17 53,2	4,24	0,510	0,00	−8.6929	+8.8849	0.6270	9.9901	2373	233	ii.2187	....	....	M755, J480
6462	85 59 16,8	4,24	0,425	−0,12	−9.7001	−8.1697	0.6270	9.9901	2377	237	ii.2189	....	....	P 816
6463	30 47 38,3	4,25	0,125	0,00	−0.0260	−9.2606	0.6288	9.9900	2386	249	ii.2192			
6464	96 2 10,0	4,26	0,457	+0,02	−9.5169	+8.3488	0.6292	9.9900	2375	240	ii.2190			
6465	115 4 23,9	4,27	0,525	.....	+8.3222	+8.9551	0.6302	9.9899	....	....	.....	7943		
6466	53 17 18,3	4,28	0,299	−0,04	−9.9694	−9.1055	0.6312	9.9899	2383	247	ii.2191			
6467	110 37 5,4	4,28	0,508	+0,05	−8.7938	+8.8758	0.6313	9.9899	....	238	iii.2369	....	....	M 756
6468	56 13 9,1	4,29	−0,313	−0,01	−9.9561	−9.0751	0.6322	9.9898	2381	....	.....	....	....	L 19
6469	16 5 22,1	4,30	+0,208	−0,13	−0.0248	−9.3135	0.6331	9.9898	....	....	.....	....	....	B.F 2577
6470	39 28 35,2	4,30	−0,212	.....	−0.0128	−9.2187	0.6333	9.9898	....	....	.....	....	....	G 2709
6471	87 39 24,3	4,32	0,430	−0,01	−9.6753	−7.9446	0.6353	9.9897	2379	245	ii.2193			
6472	153 59 31,5	4,32	0,818	+0,42	+9.8372	+9.2872	0.6358	9.9897	....	....	.....	7924	6546	
6473	48 35 13,1	4,35	0,273	.....	−9.9874	−9.1564	0.6381	9.9896	....	....	.....	....	....	G 2711
6474	118 14 54,5	4,39	0,537	−0,08	+8.9004	+9.0155	0.6426	9.9893	....	246	iv.1312	7948		
6475	46 14 59,3	4,41	0,259	0,00	−9.9948	−9.1817	0.6441	9.9893	2389	252	iii.2371	....	....	Airy (G)
6476	41 19 33,0	4,41	0,226	+0,12	−0.0083	−9.2180	0.6446	9.9892	....	254	iii.2372	....	....	G 2718
6477	32 42 9,7	4,44	−0,148	.....	−0.0233	−9.2702	0.6473	9.9891	....	....	.....	....	....	G 2720
6478	14 44 49,7	4,44	+0,268	−0,02	−0.0226	−9.3307	0.6475	9.9891	2404	279	iii.2376	....	....	G 2726
6479	115 9 5,2	4,44	−0,524	.....	+8.3365	+8.9740	0.6478	9.9891	....	....	.....	7956		
6480	57 17 10,2	−4,46	−0,318	+0,10	−9.9504	−9.0798	−0.6492	−9.9890	2388	....	.....	....	....	L 19

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6481	Pavonis.....	6	18 51 40,88	+5,738	−0,0402	−0,031	+8.5309	−9.1703	+0.7587	−8.4844
6482	10 Aquilæ	6	51 53,72	2,753	−0,0015	0,000	8.1877	8.8252	0.4398	+7.5624
6483	11 Aquilæ	6	52 11,35	2,760	−0,0016	+0,003	8.1896	8.8246	0.4409	+7.5555
6484	Coronæ Aust. .. ζ	6	52 29,40	4,256	−0,0138	+0,016	8.3110	8.9434	0.6290	−8.1390
6485	Sagittarii	6½	52 34,97	3,621	−0,0068	−0,009	8.2164	8.8480	0.5588	−7.8065
6486	Pavonis.....	6	52 43,45	7,023	−0,0768	−0,027	8.6866	9.3170	0.8465	−8.6642
6487	13 Aquilæ ..... ε	3½	52 49,01	2,725	−0,0015	−0,002	8.1974	8.8271	0.4354	+7.6067
6488	Sagittarii	7	52 59,19	3,431	−0,0052	+0,007	8.2001	8.8283	0.5355	−7.6267
6489	38 Sagittarii ..... ζ	3½	53 4,14	3,825	−0,0088	+0,003	8.2475	8.8750	0.5826	−7.9477
6490	Sagittarii	6½	53 16,73	3,679	−0,0075	−0,001	8.2293	8.8550	0.5657	−7.8560
6491	14 Lyræ.....γ	3	53 20,01	2,242	−0,0009	+0,002	8.2607	8.8860	0.3507	+7.9908
6492	12 Aquilæ..	5½	53 40,29	3,206	−0,0038	+0,001	8.1918	8.8142	0.5060	−7.2071
6493	Lyræ.....	6	53 51,90	1,961	−0,0013	.....	8.3098	8.9306	0.2925	+8.1222
6494	Pavonis.....	5½	53 56,64	6,396	−0,0593	+0,003	8.6304	9.2505	0.8059	−8.5995
6495	Lyræ.....	6	54 9,29	2,018	−0,0012	.....	8.3029	8.9212	0.3048	+8.1019
6496*	48 Draconis	5	54 12,66	1,021	−0,0066	−0,003	8.4649	9.0828	0.0091	+8.3915
6497	15 Lyræ.....λ	6	54 21,15	2,261	−0,0009	+0,002	8.2662	8.8829	0.3542	+7.9896
6498	Telescopii..... ρ	6	54 27,29	4,767	−0,0223	+0,017	8.4118	9.0276	0.6783	−8.3115
6499	Sagittarii	6	54 46,89	3,859	−0,0095	−0,002	8.2663	8.8795	0.5865	−7.9815
6500	Draconis	6	54 59,84	0,991	−0,0070	+0,003	8.4759	9.0873	9.9959	+8.4044
6501	14 Aquilæ ..... g	6	55 0,53	3,159	−0,0035	+0,005	8.2010	8.8123	0.4996	−7.0348
6502*	Sagittarii	7	55 11,05	3,625	−0,0072	.....	8.2377	8.8476	0.5593	−7.8317
6503	Telescopii.....	6	55 19,95	4,648	−0,0206	−0,026	8.3994	9.0080	0.6673	−8.2870
6504*	Sagittarii	8	55 21,75	3,588	−0,0068	.....	8.2348	8.8432	0.5549	−7.8035
6505*	Sagittarii	7	55 34,15	3,689	−0,0078	.....	8.2487	8.8554	0.5669	−7.8820
6506	Sagittarii	6	55 37,43	4,539	−0,0189	+0,025	8.3836	8.9899	0.6569	−8.2582
6507	39 Sagittarii ..... o	4½	55 41,47	3,594	−0,0069	+0,006	8.2379	8.8437	0.5555	−7.8107
6508	Draconis	5½	55 45,73	0,610	−0,0113	.....	8.5370	9.1421	9.7854	+8.4837
6509*	Octantis	6	55 57,25	+8,287	−0,1306	.....	8.8245	9.4282	+0.9184	−8.8115
6510	52 Draconis ..... υ	5	56 13,12	−0,717	−0,0341	+0,009	8.6987	9.3002	−9.8553	+8.6746
6511	Coronæ Aust. ..γ	5	56 16,72	+4,058	−0,0121	+0,014	8.3089	8.9099	+0.6083	−8.0911
6512*	Sagittarii	7	56 16,89	3,798	−0,0090	.....	8.2692	8.8701	0.5796	−7.9588
6513	Sagittarii	7	56 27,47	+3,672	−0,0077	+0,015	8.2534	8.8530	+0.5650	−7.8777
6514	Draconis	7½	56 42,49	−1,416	−0,0518	.....	8.7696	9.3672	−0.1512	+8.7522
6515	Sagittarii	7	56 58,42	+3,745	−0,0086	+0,008	8.2670	8.8625	+0.5735	−7.9316
6516	Lyræ.....	6	57 0,32	1,640	−0,0026	.....	8.3882	8.9834	0.2149	+8.2580
6517*	Aquilæ	•	57 1,39	3,167	−0,0037	+0,003	8.2165	8.8115	0.5007	−7.0873
6518	15 Aquilæ ..... h	6	57 2,55	3,167	−0,0037	+0,005	8.2166	8.8115	0.5006	−7.0864
6519*	Sagittarii	6	57 6	3,439	−0,0057	.....	8.2328	8.8272	0.5365	−7.6700
6520	16 Lyræ.....	5½	57 12,15	1,695	−0,0023	+0,017	8.3806	8.9742	0.2291	+8.2428
6521	40 Sagittarii .....τ	4	57 34,45	3,756	−0,0088	−0,001	8.2730	8.8637	0.5747	−7.9429
6522	49 Draconis	6	57 45,10	1,191	−0,0056	−0,002	8.4670	9.0562	0.0758	+8.3827
6523	Coronæ Aust. .. δ	5	57 53,97	4,185	−0,0143	−0,001	8.3422	8.9303	0.6217	−8.1567
6524	Sagittarii	6½	57 56,72	3,613	−0,0074	−0,007	8.2572	8.8450	0.5578	−7.8441
6525	Sagittarii	7	18 58 3,96	+3,784	−0,0092	−0,002	+8.2806	−8.8674	+0.5780	−7.9643

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6481	153 57 36,3	−4,48	−0,816	+0,57	+9.8358	+9.3030	−0.6517	−9.9889	....	....	.....	7938	6557	
6482	76 17 27,5	4,50	0,391	+0,04	−9.8146	−8.7260	0.6535	9.9888	2385	256	ii.2194			
6483	76 34 19,2	4,53	0,392	+0,05	−9.8118	−8.7196	0.6559	9.9886	2387	258	iii.2375			
6484	132 18 9,2	4,55	0,604	+0,25	+9.5244	+9.1841	0.6583	9.9885	....	250	iii.2373	7958	6561	
6485	112 54 0,8	4,56	0,514	−0,01	−8.3202	+8.9469	0.6591	9.9885	....	255	iii.2377	7965	....	M 757
6486	161 46 12,5	4,57	0,997	−0,11	+9.8971	+9.3356	0.6602	9.9884	....	....	.....	7928	6558	
6487	75 7 54,5	4,58	0,387	+0,10	−9.8256	−8.7680	0.6610	9.9884	2390	262	ii.2198			
6488	105 29 22,6	4,60	0,487	+0,06	−9.1992	+8.7867	0.6623	9.9883	....	260	ii.2197	....	....	W 1000
6489	120 5 21,2	4,60	0,543	+0,03	+9.0512	+9.0609	0.6630	9.9883	2384	257	ii.2196	7966	....	M758, J481
6490	115 2 59,4	4,62	0,522	+0,30	+8.2765	+8.9892	0.6647	9.9882	....	261	ii.2199	7968	....	M 759
6491	57 30 45,3	4,63	0,318	−0,02	−9.9488	−9.0930	0.6651	9.9881	2392	266	ii.2200			
6492	95 56 43,9	4,65	0,455	+0,04	−9.5196	+8.3809	0.6678	9.9880	2391	265	ii.2201			
6493	49 31 27,5	4,67	0,278	.....	−9.9829	−9.1795	0.6693	9.9879	....	....	.....	....	....	G 2727
6494	158 38 34,9	4,68	0,907	−0,19	+9.8737	+9.3369	0.6700	9.9879	....	....	.....	7944	6563	
6495	50 59 15,1	4,70	0,286	.....	−9.9774	−9.1684	0.6716	9.9878	....	....	.....	....	....	G 2728
6496	32 22 57,3	4,70	0,145	+0,07	−0.0226	−9.2965	0.6721	9.9877	2400	281	ii.2203			
6497	58 3 38,8	4,71	0,321	−0,01	−9.9457	−9.0944	0.6732	9.9877	2396	276	iii.2382			
6498	142 33 16,9	4,72	0,676	+0,37	+9.7056	+9.2715	0.6740	9.9876	....	....	v.3173	7963	6567	
6499	121 15 41,7	4,75	0,547	+0,11	+9.1245	+9.0894	0.6765	9.9875	....	267	ii.2202	7976		
6500	31 58 50,3	4,77	0,140	+0,06	−0.0227	−9.3045	0.6782	9.9874	....	287	iii.2385	....	....	G 2738
6501	93 54 39,4	4,77	0,448	−0,06	−9.5643	+8.2099	0.6783	9.9874	2394	272	ii.2204			
6502	113 6 59,7	4,78	0,513	.....	−8.2504	+8.9714	0.6797	9.9873	....	....	.....	7983		
6503	140 32 30,8	4,80	0,658	+0,01	+9.6757	+9.2662	0.6808	9.9872	....	....	v.3174	7970	6568	
6504	111 44 32,0	4,80	0,508	.....	−8.6375	+8.9475	0.6810	9.9872	....	....	.....	....	....	B.F 2564
6505	115 27 31,5	4,82	0,522	.....	+8.4065	+9.0137	0.6826	9.9871	....	....	.....	7987		
6506	138 31 11,2	4,82	0,643	+0,24	+9.6433	+9.2554	0.6830	9.9871	....	....	v.3175	7973	6569	
6507	111 57 19,8	4,83	0,509	+0,03	−8.5977	+8.9541	0.6835	9.9871	2393	278	v.3176	....	6570	M760, J482
6508	27 48 19,5	4,83	0,086	.....	−0.0257	−9.3286	0.6841	9.9870	....	....	.....	....	....	G 2742
6509	166 2 8,1	4,85	−1,173	.....	+9.9227	+9.3703	0.6855	9.9869	....	....	.....	7935		
6510	18 54 15,8	4,87	+0,101	−0,05	−0.0246	−9.3613	0.6876	9.9868	2411	308	ii.2209			
6511	127 16 22,1	4,88	−0,574	+0,38	+9.3840	+9.1680	0.6880	9.9868	....	280	ii.2206	7988	6574	J 483
6512	119 17 53,7	4,88	0,537	.....	+8.9832	+9.0754	0.6880	9.9868	....	....	.....	7989		
6513	114 53 44,8	4,89	−0,519	+0,07	+8.1673	+9.0114	0.6894	9.9867	....	282	iii.2386			
6514	16 6 49,4	4,91	+0,200	.....	−0.0220	−9.3716	0.6912	9.9866	....	....	.....	....	....	G 2752
6515	117 30 30,1	4,93	−0,529	+0,07	+8.7980	+9.0555	0.6932	9.9864	....	286	iv.1323	7991		
6516	42 10 34,2	4,94	0,232	.....	−0.0042	−9.2611	0.6935	9.9864	....	....	.....	....	....	G 2745
6517	94 15 33,1	4,94	0,448	.....	−9.5573	+8.2622	0.6936	9.9864	2398	....	.....	....	....	Airy (G)
6518	94 14 58,1	4,94	0,448	−0,02	−9.5575	+8.2613	0.6937	9.9864	2399	289	ii.2207			
6519	105 53	4,95	0,486	.....	−9.1824	+8.8292	0.6942	9.9864	....	....	.....	....	....	A
6520	43 16 30,3	4,95	0,240	+0,06	−0.0013	−9.2549	0.6949	9.9863	....	299	iii.2389	....	....	B.H 992
6521	117 53 0,1	4,99	0,531	+0,23	+8.8414	+9.0654	0.6977	9.9862	2397	292	ii.2208	7994	....	M761, J484
6522	34 33 20,9	5,00	0,168	+0,06	−0.0186	−9.3125	0.6990	9.9861	2408	307	iii.2390			
6523	130 43 23,8	5,01	0,591	+0,14	+9.4812	+9.2124	0.7001	9.9860	....	291	ii.2210	7992	6578	J 485
6524	112 43 21,1	5,02	0,510	+0,04	−8.4200	+8.9851	0.7004	9.9860	....	294	ii.2211	....	6580	M 763
6525	118 51 49,7	−5,03	−0,534	+0,21	+8.9405	+9.0828	−0.7013	−9.9859	....	293	ii.2212	7996	....	M 762

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6526	16 Aquilæ ..... λ	3	18 58 17,35	+3,186	−0,0039	+0,001	+8.2263	−8.8114	+0.5033	−7.1755
6527*	Sagittæ.....	8	58 18,41	2,627	−0,0013	.....	8.2489	8.8338	0.4195	+7.7597
6528	17 Aquilæ ..... ζ	3	58 30,99	+2,757	−0,0018	−0,002	8.2387	8.8220	+0.4404	+7.6114
6529*	Draconis	7	58 33,86	−1,961	−0,0701	.....	8.8305	9.4134	−0.2926	+8.8166
6530	Draconis	6	58 35,53	+1,412	−0,0039	.....	8.4379	9.0207	+0.1499	+8.3347
6531*	Sagittarii	7	58 41,26	3,699	−0,0083	.....	8.2736	8.8556	0.5681	−7.9142
6532*	Sagittarii	7	58 49,67	3,731	−0,0087	.....	8.2789	8.8598	0.5719	−7.9369
6533	Sagittarii	7	59 4,41	3,670	−0,0081	−0,006	8.2726	8.8517	0.5647	−7.8967
6534*	Lyræ.....	6	59 14,65	2,278	−0,0009	.....	8.3009	8.8786	0.3575	+8.0193
6535	Coronæ Aust. ..α	4½	59 15,91	4,085	−0,0132	+0,013	8.3359	8.9135	0.6112	−8.1266
6536*	Sagittarii	6½	59 27,87	3,529	−0,0067	+0,006	8.2588	8.8348	0.5476	−7.7827
6537*	Sagittarii	7	59 32,81	3,843	−0,0101	.....	8.3000	8.8754	0.5847	−8.0102
6538*	Sagittarii	7	59 35,99	3,682	−0,0084	.....	8.2779	8.8529	0.5661	−7.9089
6539*	Sagittarii	6	59 38,68	3,572	−0,0072	.....	8.2649	8.8395	0.5529	−7.8235
6540*	Sagittarii	7	59 40,51	3,630	−0,0077	.....	8.2720	8.8464	0.5599	−7.8712
6541	Coronæ Aust. ..β	5	59 42,46	4,138	−0,0140	+0,005	8.3479	8.9221	0.6168	−8.1521
6542*	Vulpeculæ	6½	59 49,37	2,495	−0,0011	.....	8.2750	8.8483	0.3970	+7.8848
6543	18 Aquilæ	5½	59 55,18	2,823	−0,0020	+0,003	8.2442	8.8167	0.4507	+7.5187
6544*	Sagittarii	7	18 59 57,03	3,520	−0,0067	.....	8.2614	8.8337	0.5465	−7.7780
6545	Pavonis..... τ	5½	19 0 20,42	6,512	−0,0704	+0,014	8.6937	9.2631	0.8137	−8.6651
6546	Sagittarii	7	0 24,33	3,738	−0,0090	+0,008	8.2912	8.8601	0.5727	−7.9534
6547	Lyræ.....	6	0 40,81	2,373	−0,0009	+0,020	8.2974	8.8642	0.3753	+7.9746
6548	41 Sagittarii ..... π	4½	0 50,47	3,573	−0,0073	+0,002	8.2734	8.8390	0.5530	−7.8328
6549*	Sagittarii	6½	0 53,77	3,823	−0,0101	.....	8.3067	8.8719	0.5824	−8.0088
6550	Sagittarii	7	0 57,10	3,541	−0,0070	−0,006	8.2707	8.8355	0.5491	−7.8055
6551	51 Draconis	5½	1 32,81	1,350	−0,0047	−0,001	8.4699	9.0303	0.1302	+8.3732
6552	19 Aquilæ	6	1 39,29	2,939	−0,0026	+0,002	8.2507	8.8103	0.4682	+7.2584
6553	17 Lyræ.....	6	1 45,23	2,257	−0,0010	+0,010	8.3220	8.8808	0.3535	+8.0495
6554*	Sagittarii	6½	1 48,66	3,806	−0,0100	.....	8.3108	8.8692	0.5805	−8.0062
6555	Draconis	6	1 49,65	0,660	−0,0118	.....	8.5762	9.1344	9.8198	+8.5216
6556	18 Lyræ..... ι	5½	1 56,97	2,139	−0,0011	+0,004	8.3418	8.8992	0.3302	+8.1096
6557	Pavonis.....	6	1 57,58	5,152	−0,0337	−0,008	8.5293	9.0866	0.7120	−8.4589
6558	Pavonis.....	6	1 59,25	6,093	−0,0589	−0,062	8.6573	9.2144	0.7848	−8.6210
6559	Pavonis.....	6	2 22,96	5,894	−0,0533	−0,029	8.6353	9.1895	0.7704	−8.5943
6560	Sagittarii	7	3 23,11	3,411	−0,0061	+0,003	8.2749	8.8218	0.5329	−7.6830
6561	Sagittarii	6	3 29,95	3,588	−0,0078	−0,007	8.2935	8.8396	0.5548	−7.8652
6562	Sagittarii	6½	3 59,14	+3,702	−0,0092	−0,008	8.3111	8.8537	+0.5684	−7.9553
6563*	Draconis	6	4 11,66	−2,422	−0,0944	−0,017	8.9081	9.4492	−0.3842	+8.8965
6564	20 Aquilæ	5	4 32,63	+3,255	−0,0048	+0,005	8.2723	8.8109	+0.5126	−7.4257
6565*	Sagittarii	7	4 39,30	3,728	−0,0096	.....	8.3191	8.8570	0.5715	−7.9779
6566	Cygni	7	4 43,23	1,534	−0,0035	.....	8.4621	8.9994	0.1857	+8.3471
6567*	Lyræ.....	8	5 1,82	2,287	−0,0010	.....	8.3398	8.8749	0.3593	+8.0566
6568*	Sagittarii	7	5 3,19	3,814	−0,0107	.....	8.3339	8.8689	0.5813	−8.0337
6569*	Sagittarii	7	5 10,97	3,796	−0,0105	.....	8.3323	8.8664	0.5794	−8.0245
6570	Sagittarii	6	19 5 26,09	+4,386	−0,0195	+0,005	+8.4297	−8.9620	+0.6421	−8.2846

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6526	95 6 10,8	−5,05	−0,450	+0,07	−9.5392	+8.3498	−0.7029	−9.9858	2401	298	ii.2213	....	....	J 486
6527	71 4 50,2	5,05	0,371	+0,09	−9.8599	−8.9117	0.7031	9.9858	2403	....	.....	....	....	B 41
6528	76 21 19,3	5,07	−0,389	+0,06	−9.8129	−8.7751	0.7046	9.9857	2405	303	ii.2214			
6529	14 25 0,6	5,07	+0,277	+0,02	−0.0191	−9.3888	0.7049	9.9857	2421	....	.....	....	....	G 2763
6530	37 57 17,7	5,07	−0,199	.....	−0.0128	−9.2997	0.7051	9.9857	....	....	.....	....	....	G 2753
6531	115 55 25,6	5,08	0,522	.....	+8.5132	+9.0443	0.7058	9.9856	....	....	.....	8003		
6532	117 3 41,1	5,09	0,526	.....	+8.7292	+9.0626	0.7068	9.9855	....	....	.....	8005		
6533	114 53 12,8	5,11	0,518	+0,13	+8.1206	+9.0305	0.7086	9.9854	....	301	ii.2215	8009	....	M 764
6534	58 28 25,2	5,13	0,321	.....	−9.9422	−9.1260	0.7098	9.9853	....	....	.....	....	....	B.F 2580
6535	128 7 54,4	5,13	0,576	+0,16	+9.4074	+9.1984	0.7100	9.9853	....	300	v.3179	8002	6585	J 487
6536	109 31 12,6	5,15	0,497	.....	−8.9345	+8.9331	0.7114	9.9852	2402	....	ii.2217	....	....	W 1007
6537	120 52 9,3	5,15	0,542	.....	+9.0913	+9.1200	0.7120	9.9852	....	....	.....	8010		
6538	115 18 49,2	5,16	0,519	.....	+8.3202	+9.0412	0.7124	9.9852	....	....	.....	8013		
6539	111 13 4,7	5,16	0,503	.....	−8.7388	+8.9691	0.7127	9.9851	....	....	.....	....	....	B.F 2573 ?
6540	113 25 8,2	5,16	0,512	.....	−8.1492	+9.0100	0.7129	9.9851	....	....	.....	8014		
6541	129 34 23,6	5,17	0,583	+0,15	+9.4489	+9.2151	0.7131	9.9851	....	305	ii.2218	8007	6587	J 488
6542	65 58 23,4	5,18	0,352	−0,22	−9.8975	−9.0215	0.7140	9.9850	2409	....	.....	....	....	L 101
6543	79 9 19,9	5,18	0,398	+0,02	−9.7839	−8.6869	0.7147	9.9850	2407	312	ii.2219			
6544	109 10 58,2	5,19	0,496	.....	−8.9661	+8.9293	0.7149	9.9850	....	....	.....	....	....	B.F 2573 ?
6545	159 26 10,8	5,22	0,917	−0,06	+9.8760	+9.3868	0.7176	9.9848	....	....	.....	7986	6586	
6546	117 20 47,7	5,23	0,526	−0,04	+8.7634	+9.0780	0.7181	9.9847	....	310	iv.1332	8017		
6547	61 36 15,7	5,25	0,334	+0,05	−9.9247	−9.0950	0.7200	9.9846	....	318	iii.2393			
6548	111 15 22,6	5,26	0,503	−0,01	−8.7372	+8.9783	0.7211	9.9845	2406	315	ii.2220	....	6594	M765, J489
6549	120 14 21,7	5,27	0,538	.....	+9.0453	+9.1214	0.7215	9.9845	....	....	.....	8019		
6550	110 2 15,8	5,27	0,498	+0,23	−8.8871	+8.9545	0.7219	9.9845	....	316	ii.2221	....	....	M 766
6551	36 49 55,9	5,32	0,190	0,00	−0.0136	−9.3271	0.7260	9.9842	2416	3	iii.2399			
6552	84 9 28,5	5,33	0,413	+0,04	−9.7241	−8.4322	0.7268	9.9841	2410	321	ii.2222			
6553	57 43 51,4	5,34	0,317	−0,06	−9.9452	−9.1527	0.7274	9.9840	2413	327	iii.2398			
6554	119 43 36,3	5,34	0,535	.....	+9.0043	+9.1210	0.7278	9.9840	....	....	.....	8024		
6555	28 7 51,6	5,35	0,093	.....	−0.0231	−9.3711	0.7279	9.9840	....	....	.....	....	....	G 2771
6556	54 7 52,8	5,36	0,301	−0,04	−9.9621	−9.1944	0.7288	9.9839	2414	2	iii.2400			
6557	148 14 34,8	5,36	0,724	+0,40	+9.7716	+9.3562	0.7289	9.9839	....	....	v.3181	8011	6596	
6558	156 54 45,9	5,36	0,856	+0,11	+9.8551	+9.3906	0.7290	9.9839	....	....	.....	7997	6595	
6559	155 28 40,5	5,39	0,828	0,00	+9.8427	+9.3885	0.7317	9.9837	....	....	.....	8004	6597	
6560	104 49 44,7	5,48	0,479	+0,07	−9.2388	+8.8444	0.7385	9.9832	....	5	ii.2223	....	....	M 768
6561	111 54 5,1	5,49	0,503	+0,04	−8.6415	+9.0087	0.7392	9.9831	....	4	ii.2224	....	....	M 767
6562	116 9 13,1	5,53	−0,519	+0,16	+8.5340	+9.0845	0.7425	9.9829	....	7	ii.2225	8033	....	M 769
6563	13 9 55,5	5,54	+0,340	−0,01	−0.0148	−9.4301	0.7438	9.9827	2440	38	iii.2406	....	....	G 2784
6564	98 11 6,3	5,57	−0,456	−0,02	−9.4664	+8.5973	0.7461	9.9825	2415	16	ii.2226	....	....	J 490
6565	117 6 55,2	5,58	0,522	.....	+8.7118	+9.1034	0.7469	9.9825	....	....	.....	8039		
6566	39 52 32,5	5,59	0,215	−0,11	−0.0066	−9.3301	0.7473	9.9825	....	....	.....	....	....	G 2777
6567	58 36 13,0	5,62	0,320	−0,15	−9.9398	−9.1639	0.7493	9.9823	2420	....	.....	....	....	L 20
6568	120 3 46,0	5,62	0,534	.....	+9.0224	+9.1470	0.7495	9.9823	....	....	.....	8040		
6569	119 29 22,3	5,63	0,531	.....	+8.9768	+9.1403	0.7503	9.9822	....	....	.....	8043		
6570	135 43 17,3	−5,65	−0,614	+0,05	+9.5843	+9.3046	−0.7519	−9.9821	....	15	v.3182	8037	6607	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6571	19 Lyræ.....	6	19 6 0,90	+2,299	−0,0010	+0,001	+8.3445	−8.8728	+0.3616	+8.0568
6572	21 Aquilæ	6	6 8,99	3,025	−0,0033	+0,004	8.2785	8.8058	0.4807	+6.8307
6573	Sagittarii	8	6 9,76	3,477	−0,0070	+0,004	8.2991	8.8264	0.5412	−7.7796
6574*	Vulpeculæ	6	6 9,88	2,571	−0,0013	.....	8.3090	8.8363	0.4101	+7.8694
6575	42 Sagittarii .....ψ	5	6 20,44	3,682	−0,0093	+0,005	8.3240	8.8500	0.5661	−7.9581
6576	Sagittarii	6	6 24,61	3,653	−0,0089	+0,002	8.3206	8.8462	0.5626	−7.9372
6577*	Sagittarii	7	6 39,93	3,832	−0,0111	.....	8.3471	8.8709	0.5834	−8.0554
6578*	Sagittarii	7	7 0,15	3,693	−0,0094	.....	8.3296	8.8511	0.5673	−7.9702
6579	Cygni	6	8 12,29	1,570	−0,0034	.....	8.4792	8.9925	0.1960	+8.3607
6580	Pavonis.....	6	8 22,89	6,338	−0,0738	−0,048	8.7308	9.2429	0.8020	−8.6999
6581	20 Lyræ.....η	5	8 39,21	2,040	−0,0013	+0,002	8.4027	8.9130	0.3097	+8.2006
6582	Vulpeculæ	6	8 49,47	2,581	−0,0014	+0,003	8.3247	8.8338	0.4118	+7.8785
6583	53 Draconis	5	8 49,99	1,133	−0,0072	+0,003	8.5543	9.0633	0.0543	+8.4759
6584	43 Sagittarii .....d	5	8 51,47	3,516	−0,0076	+0,003	8.3200	8.8289	0.5460	−7.8374
6585	22 Aquilæ	6	9 5,71	2,969	−0,0030	+0,005	8.2980	8.8053	0.4725	+7.1997
6586	55 Draconis	6	9 11,55	0,240	−0,0203	+0,001	8.6833	9.1899	9.3799	+8.6431
6587	Sagittarii	8	9 24,65	3,513	−0,0076	−0,007	8.3232	8.8283	0.5457	−7.8386
6588	Pavonis.....	neb.	9 32,56	6,936	−0,0987	−0,043	8.8031	9.3075	0.8411	−8.7807
6589	1 Vulpeculæ	5	9 46,18	2,578	−0,0014	+0,003	8.3309	8.8337	0.4112	+7.8878
6590	Sagittarii	6	10 26,65	3,431	−0,0069	−0,014	8.3214	8.8198	0.5354	−7.7563
6591*	Sagittarii	8	10 34,12	3,440	−0,0070	+0,005	8.3230	8.8205	0.5366	−7.7680
6592*	Telescopii.....	6	10 44,03	4,869	−0,0316	−0,005	8.5446	9.0410	0.6875	−8.4563
6593	Lyræ.....	6	10 44,64	1,998	−0,0014	.....	8.4229	8.9193	0.3006	+8.2319
6594*	Sagittarii	7	10 46,56	3,869	−0,0124	.....	8.3787	8.8749	0.5876	−8.1040
6595	25 Aquilæ .....ω	5	10 46,70	2,815	−0,0022	+0,003	8.3153	8.8114	0.4495	+7.6085
6596	Aquilæ	7	10 51,29	3,067	−0,0038	+0,004	8.3072	8.8028	0.4867	+5.7339
6597	23 Aquilæ	6	10 54,55	3,052	−0,0037	+0,001	8.3075	8.8028	0.4846	+6.4613
6598	Telescopii.....	6½	10 58,64	4,672	−0,0271	−0,023	8.5138	9.0087	0.6695	−8.4074
6599	21 Lyræ.....θ	5	11 9,71	2,081	−0,0013	−0,001	8.4117	8.9053	0.3182	+8.1998
6600*	24 Aquilæ	6	11 10,43	3,069	−0,0038	+0,001	8.3090	8.8026	0.4870	+5.4308
6601	54 Draconis	5	11 14,51	1,077	−0,0081	+0,002	8.5786	9.0718	0.0321	+8.5044
6602*	2 Vulpeculæ	5½	11 22,94	2,537	−0,0013	.....	8.3455	8.8377	0.4043	+7.9330
6603	Cygni	6	11 24,28	1,564	−0,0036	.....	8.5006	8.9927	0.1943	+8.3836
6604	Sagittarii	7	11 34,46	3,650	−0,0096	−0,001	8.3523	8.8433	0.5623	−7.9697
6605	Telescopii.....	6½	11 34,53	4,836	−0,0312	−0,021	8.5445	9.0355	0.6845	−8.4537
6606	Cygni	8½	11 36,41	1,716	−0,0026	.....	8.4762	8.9670	0.2345	+8.3389
6607	Sagittarii	6	11 38,49	3,602	−0,0090	−0,008	8.3467	8.8373	0.5566	−7.9328
6608	Sagittarii .....β^1	3½	11 50,53	4,331	−0,0205	−0,003	8.4615	8.9507	0.6366	−8.3090
6609*	Sagittarii	7	12 7,78	3,801	−0,0117	.....	8.3766	8.8640	0.5799	−8.0739
6610	Sagittarii .....β^2	4	12 21,92	4,345	−0,0209	−0,014	8.4671	8.9530	0.6380	−8.3172
6611*	Sagittarii	7	12 29,35	3,702	−0,0104	.....	8.3647	8.8498	0.5685	−8.0132
6612	57 Draconis .....δ	3	12 30,49	0,019	−0,0259	+0,022	8.7321	9.2171	8.2672	+8.6974
6613*	Sagittarii	7	12 32,09	3,798	−0,0117	.....	8.3786	8.8634	0.5796	−8.0748
6614	26 Aquilæ .....f	6	12 32,39	3,197	−0,0049	+0,010	8.3192	8.8039	0.5048	−7.3156
6615	28 Aquilæ .....A	6	19 12 39,35	+2,798	−0,0022	+0,001	+8.3275	−8.8115	+0.4469	+7.6490

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6571	58 57 44,7	−5,70	−0,322	−0,06	−9.9376	−9.1658	−0.7557	−9.9817	2422	....	.....	....	....	L 20
6572	87 57 22,2	5,71	0,423	−0,06	−9.6702	−8.0065	0.7565	9.9817	2419	24	ii.2228			
6573	107 35 56,0	5,71	0,486	0,00	−9.0927	+8.9349	0.7566	9.9817	....	20	iii.2408	....	....	M 772
6574	68 41 40,8	5,71	0,359	.....	−9.8766	−9.0147	0.7566	9.9816	....	....	.....	....	....	B.F 2591
6575	115 30 33,8	5,73	0,515	−0,01	+8.3222	+9.0897	0.7577	9.9816	2418	21	ii.2227	8052	....	M 770
6576	114 25 51,1	5,73	0,511	+0,23	+7.1139	+9.0725	0.7582	9.9815	....	22	ii.2229	8054	....	M 771
6577	120 43 0,0	5,75	0,535	.....	+9.0652	+9.1658	0.7598	9.9814	....	....	.....	8053		
6578	115 54 56,2	5,78	0,516	.....	+8.4503	+9.1002	0.7619	9.9812	....	....	.....	8055		
6579	40 25 53,2	5,88	0,219	.....	−0.0039	−9.3487	0.7694	9.9805	....	....	.....	....	....	G 2789
6580	158 38 23,3	5,90	0,884	−0,53	+9.8645	+9.4374	0.7705	9.9804	....	....	.....	8034	6617	
6581	51 6 32,7	5,92	0,284	−0,05	−9.9721	−9.2678	0.7722	9.9802	2427	45	ii.2232			
6582	69 1 33,7	5,93	0,360	−0,04	−9.8734	−9.0248	0.7732	9.9801	2425	42	ii.2231	....	....	B.F 2595
6583	33 23 41,0	5,93	0,158	−0,05	−0.0155	−9.3927	0.7733	9.9801	2433	52	ii.2234			
6584	109 12 50,9	5,94	0,490	−0,04	−8.9796	+8.9886	0.7734	9.9801	2423	35	ii.2230	....	....	M 773, J 491
6585	85 25 34,8	5,96	0,413	+0,02	−9.7066	−8.3744	0.7749	9.9800	2424	41	ii.2233			
6586	24 16 21,1	5,96	0,033	+0,02	−0.0207	−9.4331	0.7755	9.9799	2443	63	iii.2413			
6587	109 7 39,3	5,98	0,489	+0,09	−8.9877	+8.9900	0.7768	9.9798	....	39	iii.2412	....	....	M 774
6588	161 44 0,0	5,99	0,965	−1,65	+9.8866	+9.4529	0.7776	9.9797	....	....	.....	8036	6621	
6589	68 52 11,9	6,01	0,359	−0,06	−9.8743	−9.0337	0.7790	9.9796	2428	51	ii.2235			
6590	105 47 37,9	6,07	0,477	+0,44	−9.1992	+8.9157	0.7830	9.9792	....	50	ii.2236	....	....	M 775
6591	106 10 32,8	6,08	0,478	.....	−9.1798	+8.9265	0.7838	9.9791	2426					
6592	144 41 44,7	6,09	0,677	+0,30	+9.7216	+9.3943	0.7848	9.9790	....	....	v.3185	8062	6629	
6593	49 54 0,7	6,09	0,278	.....	−9.9757	−9.2916	0.7848	9.9790	....	....	.....	....	....	G 2800
6594	122 5 16,8	6,10	0,538	.....	+9.1411	+9.2081	0.7850	9.9790	....	....	.....	8072		
6595	78 40 13,1	6,10	0,391	−0,06	−9.7873	−8.7761	0.7850	9.9790	2432	57	ii.2237			
6596	89 50 48,7	6,10	0,426	+0,03	−9.6400	−6.9100	0.7855	9.9789	2429	55	iii.2415			
6597	89 11 0,6	6,11	0,424	+0,04	−9.6508	−7.6373	0.7858	9.9789	2430	56	ii.2238			
6598	141 30 21,5	6,11	0,649	+0,07	+9.6770	+9.3776	0.7862	9.9788	....	....	v.3186	8068	6632	
6599	52 7 50,4	6,13	0,289	0,00	−9.9671	−9.2731	0.7873	9.9787	2438	65	ii.2242			
6600	89 55 27,2	6,13	0,426	−0,20	−9.6388	−6.6069	0.7874	9.9787	2431	60	ii.2239			
6601	32 33 7,1	6,13	0,150	+0,07	−0.0154	−9.4113	0.7878	9.9787	2444	74	ii.2243			
6602	67 14 26,3	6,15	0,352	.....	−9.8856	−9.0739	0.7886	9.9786	....	....	.....	....	....	B.F 2606
6603	40 11 31,8	6,15	0,217	.....	−0.0031	−9.3695	0.7887	9.9786	....	....	.....	....	....	G 2802
6604	114 28 43,1	6,16	0,507	+0,26	−6.8451	+9.1049	0.7897	9.9785	....	59	iv.1363	8080		
6605	144 13 27,4	6,16	0,671	+0,19	+9.7147	+9.3967	0.7897	9.9785	....	....	v.3187	8069	6639	
6606	43 12 4,2	6,17	0,238	.....	−9.9960	−9.3504	0.7899	9.9785	....	....	.....	....	....	G 2803
6607	112 40 38,5	6,17	0,500	+0,07	−8.5250	+9.0740	0.7901	9.9784	....	61	v.3188	....	6642	M 776
6608	134 44 8,0	6,18	0,601	+0,19	+9.5578	+9.3365	0.7913	9.9783	....	54	ii.2240	8075	....	J 492
6609	119 52 30,5	6,21	0,527	.....	+8.9886	+9.1881	0.7930	9.9781	....	....	.....	8081		
6610	135 4 36,4	6,23	0,602	+0,20	+9.5643	+9.3422	0.7943	9.9780	....	62	ii.2244	8079		
6611	116 26 0,6	6,24	0,513	.....	+8.5378	+9.1413	0.7950	9.9779	....	....	.....	8085		
6612	22 36 8,8	6,24	0,003	−0,07	−0.0188	−9.4582	0.7952	9.9779	2449	90	ii.2253			
6613	119 47 24,6	6,24	0,526	.....	+8.9805	+9.1893	0.7953	9.9779	....	....	.....	8084		
6614	95 41 32,4	6,24	0,443	−0,03	−9.5283	+8.4896	0.7953	9.9779	2435	66	ii.2245			
6615	77 53 51,0	−6,25	−0,388	−0,07	−9.7948	−8.8153	−0.7960	−9.9778	2441	73	ii.2247			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6616	Sagittarii	7	19 12 49,50	+3,521	−0,0081	+0,001	+8.3444	−8.8273	+0.5466	−7.8681
6617*	29 Aquilæ	7	12 49,75	2,818	−0,0023	+0,002	8.3271	8.8101	0.4499	+7.6178
6618	27 Aquilæ ..... *d*	6	12 51,19	3,097	−0,0041	+0,002	8.3189	8.8017	0.4909	−6.6279
6619	44 Sagittarii ..... ϱ^1	5	12 58,34	3,486	−0,0078	+0,003	8.3416	8.8236	0.5424	−7.8345
6620	45 Sagittarii ..... ϱ^2	5½	13 5,77	3,497	−0,0079	+0,011	8.3435	8.8247	0.5438	−7.8468
6621	46 Sagittarii ..... *v*	5½	13 8,39	3,440	−0,0073	+0,006	8.3382	8.8191	0.5366	−7.7846
6622	Sagittarii ..... α	4	13 29,33	4,169	−0,0179	+0,010	8.4440	8.9227	0.6201	−8.2600
6623	1 Cygni ..... $\varkappa$	4	13 37,99	1,382	−0,0052	+0,007	8.5448	9.0226	0.1404	+8.4477
6624	Lyræ.....	6	13 57,17	+2,003	−0,0015	.....	8.4414	8.9172	+0.3018	+8.2503
6625	59 Draconis	5½	14 36,69	−2,129	−0,0975	−0,001	8.9546	9.4263	−0.3282	+8.9421
6626	Cygni	6	14 37,67	+1,598	−0,0035	.....	8.5146	8.9861	+0.2037	+8.3943
6627*	Sagittarii	7	15 1,40	3,834	−0,0126	.....	8.3984	8.8675	0.5836	−8.1113
6628	Sagittarii	6	15 8,99	3,748	−0,0114	+0,005	8.3865	8.8548	0.5738	−8.0603
6629	Draconis	6½	15 24,55	0,594	−0,0155	+0,014	8.6753	9.1420	9.7740	+8.6249
6630	Pavonis	6	15 30,82	6,320	−0,0813	−0,045	8.7742	9.2402	0.8007	−8.7435
6631*	Sagittarii	6½	15 36,69	3,789	−0,0121	.....	8.3951	8.8605	0.5785	−8.0886
6632	Telescopii.....	6	15 44,49	4,851	−0,0335	−0,011	8.5724	9.0371	0.6859	−8.4838
6633	47 Sagittarii..... χ^1	5½	16 8,55	3,655	−0,0103	+0,004	8.3793	8.8415	0.5628	−8.0019
6634	48 Sagittarii..... χ^2	6½	16 15,33	3,652	−0,0102	+0,002	8.3796	8.8411	0.5625	−8.0007
6635	Cygni	5½	16 17,23	1,325	−0,0059	.....	8.5699	9.0312	0.1223	+8.4784
6636	49 Sagittarii..... χ^3	6	16 24,71	3,640	−0,0100	+0,002	8.3789	8.8394	0.5611	−7.9925
6637	3 Vulpeculæ.....	6	16 42,40	2,455	−0,0012	+0,002	8.3867	8.8454	0.3901	+8.0282
6638*	50 Sagittarii	6	17 22,25	3,582	−0,0094	+0,005	8.3771	8.8317	0.5542	−7.9520
6639	Sagittarii	6	17 27,33	3,800	−0,0125	+0,004	8.4071	8.8613	0.5798	−8.1066
6640	Draconis	6	17 30,73	1,101	−0,0085	.....	8.6129	9.0667	0.0419	+8.5383
6641	Sagittarii	7	17 33,47	3,568	−0,0092	+0,004	8.3765	8.8300	0.5525	−7.9413
6642	2 Sagittæ.....	6	17 38,01	2,694	−0,0018	+0,001	8.3640	8.8171	0.4303	+7.8212
6643	Sagittarii	6	17 38,65	3,417	−0,0074	−0,003	8.3613	8.8143	0.5336	−7.7840
6644	31 Aquilæ ..... *b*	5	17 49,18	2,811	−0,0024	+0,054	8.3555	8.8074	0.4489	+7.6599
6645	Sagittarii	7	17 53,90	3,405	−0,0073	+0,009	8.3616	8.8131	0.5321	−7.7702
6646	30 Aquilæ ..... δ	3½	17 55,92	3,009	−0,0036	+0,018	8.3476	8.7988	0.4784	+7.0395
6647	3 Sagittæ.....	6½	18 0,74	2,693	−0,0019	+0,003	8.3661	8.8169	0.4303	+7.8238
6648	2 Cygni	5½	18 12,85	2,363	−0,0011	+0,005	8.4081	8.8577	0.3734	+8.0982
6649	Telescopii..... μ	4	18 23,67	+4,897	−0,0359	+0,004	8.5954	9.0439	+0.6900	−8.5110
6650	60 Draconis ..... τ	4½	18 24,87	−1,068	−0,0600	−0,028	8.8855	9.3339	−0.0287	+8.8663
6651*	Cygni	7	18 42,73	+2,151	−0,0012	0,000	8.4441	8.8907	+0.3326	+8.2150
6652*	Vulpeculæ.....	7	18 49,44	2,613	−0,0016	−0,010	8.3788	8.8247	0.4171	+7.9124
6653	32 Aquilæ ..... *v*	5½	18 50,95	3,070	−0,0041	+0,005	8.3519	8.7977	0.4871	+5.2250
6654	4 Vulpeculæ.....	6	18 53,61	2,625	−0,0015	+0,005	8.3778	8.8233	0.4191	+7.9015
6655*	Pavonis.....	6	19 2,16	5,301	−0,0480	−0,023	8.6616	9.1062	0.7244	−8.6016
6656	Cygni	6	19 11,81	1,894	−0,0020	.....	8.4903	8.9340	0.2773	+8.3249
6657	Vulpeculæ.....	5½	19 13,39	2,494	−0,0012	−0,012	8.3954	8.8389	0.3968	+8.0155
6658	Sagittarii	6	19 21,51	3,495	−0,0085	.....	8.3781	8.8208	0.5435	−7.8831
6659	Cygni	6½	19 27,97	1,573	−0,0038	+0,011	8.5469	8.9890	0.1968	+8.4310
6660	Pavonis.....	6	19 19 32,89	+6,415	−0,0900	+0,077	+8.8092	−9.2508	+0.8072	−8.7805

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6616	109 30 37,7	−6,27	−0,488	−0,02	−8.9624	+9.0185	−0.7970	−9.9777	....	67	ii.2246			
6617	78 44 21,7	6,27	0,390	.....	−9.7861	−8.7854	0.7970	9.9777	2442	....	.....	....	....	Airy (G)
6618	91 10 1,6	6,27	0,429	+0,01	−9.6175	+7.8039	0.7972	9.9777	2439	72	ii.2249			
6619	108 7 26,8	6,28	0,483	−0,06	−9.0682	+8.9885	0.7978	9.9776	2434	69	ii.2248	....	....	M777,J493
6620	108 34 51,1	6,29	0,484	+0,03	−9.0362	+8.9996	0.7986	9.9775	2436	70	ii.2250	....	....	M 778
6621	106 13 55,7	6,29	0,476	+0,04	−9.1798	+8.9430	0.7988	9.9775	2437	71	ii.2251	....	....	M 779
6622	130 53 34,4	6,32	0,577	+0,26	+9.4672	+9.3146	0.8008	9.9773	....	68	ii.2252	8087	6650	J 494
6623	36 54 25,5	6,33	0,191	−0,09	−0.0083	−9.4023	0.8016	9.9772	2447	91	ii.2254			
6624	49 54 49,5	6,36	−0,277	.....	−9.9744	−9.3101	0.8034	9.9770	....	....	.....	....	....	G 2812
6625	13 41 30,4	6,41	+0,294	+0,12	−0.0100	−9.4924	0.8071	9.9766	2466	119	iii.2421			
6626	40 42 25,9	6,42	−0,221	.....	−0.0005	−9.3847	0.8072	9.9766	....	....	.....	....	....	G 2815
6627	121 4 39,1	6,45	0,529	.....	+9.0686	+9.2201	0.8095	9.9763	....	....	.....	8095		
6628	118 8 59,7	6,46	0,518	−0,01	+8.8062	+9.1817	0.8102	9.9762	....	84	ii.2255	8097		
6629	27 3 53,4	6,48	0,082	+0,08	−0.0171	−9.4590	0.8116	9.9761	....	108	iii.2422	....	....	G 2821
6630	158 43 36,9	6,49	0,872	−0,51	+9.8599	+9.4793	0.8122	9.9760	....	....	.....	8078	6653	
6631	119 35 7,9	6,50	0,523	.....	+8.9528	+9.2040	0.8127	9.9759	....	....	.....	8098		
6632	144 37 9,9	6,51	0,669	+0,36	+9.7159	+9.4225	0.8134	9.9758	....	....	v.3192	8091	6656	
6633	114 47 43,9	6,54	0,504	+0,08	+7.3979	+9.1360	0.8156	9.9756	2445	93	ii.2256	8100	....	M 780
6634	114 42 6,3	6,55	0,503	+0,16	+6.9031	+9.1351	0.8163	9.9755	....	94	ii.2257			
6635	35 54 4,6	6,55	0,183	.....	−0.0086	−9.4227	0.8164	9.9755	....	....	.....	....	....	G 2822
6636	114 15 2,8	6,56	0,502	−0,04	−7.8808	+9.1285	0.8171	9.9754	2446	96	ii.2258	8103	....	M 781
6637	64 1 17,8	6,59	0,338	−0,01	−9.9052	−9.1580	0.8187	9.9752	2450	105	ii.2259			
6638	112 4 21,3	6,64	0,493	+0,15	−8.6776	+9.0951	0.8223	9.9748	2448	103	ii.2260	....	6664	M 782
6639	120 2 8,0	6,65	0,523	+0,19	+8.9845	+9.2200	0.8228	9.9747	....	102	ii.2261	8107		
6640	32 38 15,7	6,65	0,152	.....	−0.0122	−9.4462	0.8231	9.9747	....	....	.....	....	....	G 2827
6641	111 32 13,3	6,66	0,491	+0,01	−8.7589	+9.0859	0.8233	9.9746	....	104	iii.2423			
6642	73 21 1,6	6,66	0,371	−0,04	−9.8363	−8.9787	0.8238	9.9746	2453	112	ii.2263			
6643	105 20 46,8	6,67	0,470	+0,11	−9.2276	+8.9443	0.8238	9.9746	....	107	ii.2262	....	....	M 783
6644	78 22 18,3	6,68	0,387	−0,69	−9.7890	−8.8269	0.8248	9.9745	2452	114	ii.2265			
6645	104 50 39,7	6,69	0,468	+0,08	−9.2504	+8.9315	0.8252	9.9744	....	110	ii.2264	....	....	W 1034
6646	87 10 49,6	6,69	0,414	−0,11	−9.6811	−8.2151	0.8254	9.9744	2451	113	ii.2266			
6647	73 19 52,0	6,70	0,370	−0,09	−9.8364	−8.9812	0.8258	9.9743	2454	115	iii.2424			
6648	60 40 7,5	6,71	0,325	−0,05	−9.9242	−9.2147	0.8269	9.9742	2456	117	ii.2267			
6649	145 24 42,2	6,73	−0,673	+0,20	+9.7236	+9.4411	0.8278	9.9741	....	....	v.3193	8101	6666	
6650	16 55 30,9	6,73	+0,147	−0,08	−0.0118	−9.5065	0.8279	9.9741	2472	141	ii.2272			
6651	53 50 28,0	6,75	−0,295	−0,08	−9.9571	−9.2982	0.8295	9.9739	2460	121	iv.1384			
6652	70 1 12,9	6,76	0,359	.....	−9.8630	−9.0615	0.8301	9.9738	2457					
6653	89 57 26,5	6,76	0,422	+0,02	−9.6382	−6.4011	0.8302	9.9738	2455	118	ii.2268			
6654	70 29 29,4	6,77	0,360	+0,03	9.8594	−9.0519	0.8305	9.9737	2458	120	ii.2269			
6655	150 34 23,2	6,78	0,728	−0,12	+9.7828	+9.4690	0.8312	9.9737	....	....	v.3194	8102	6669	
6656	46 54 6,1	6,79	0,260	.....	−9.9822	−9.3644	0.8321	9.9735	....	....	.....	....	....	G 2832
6657	65 21 17,6	6,80	0,342	+0,64	−9.8958	−9.1501	0.8322	9.9735	2459	123	ii.2271	....	....	B.F 2629
6658	108 39 26,4	6,81	0,480	.....	−9.0426	+9.0357	0.8329	9.9734	....	....	ii.2270	....	....	Z 1294
6659	40 1 17,6	6,82	0,216	+0,10	−9.9997	−9.4154	0.8335	9.9734	....	131	iii.2427	....	....	G 2836
6660	159 23 49,0	−6,82	−0,880	+0,21	+9.8618	+9.5030	−0.8339	−9.9733	....	....	.....	8096	6668	R 504

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6661	5 Vulpeculæ.....	6½	19 19 40,23	+2,618	−0,0016	+0,002	+8.3827	−8.8236	+0.4180	+7.9126
6662*	58 Draconis ..... π	4	19 53,30	0,323	−0,0218	+0,009	8.7384	9.1780	9.5088	+8.6972
6663	Vulpeculæ.....	6½	19 54,94	2,623	−0,0016	−0,002	8.3834	8.8229	0.4189	+7.9090
6664	Sagittarii	7	20 3,39	3,417	−0,0076	−0,005	8.3742	8.8128	0.5336	−7.7984
6665*	Sagittarii	7	20 8,27	3,828	−0,0134	.....	8.4260	8.8641	0.5830	−8.1389
6666	Sagittarii	6	20 34,99	3,718	−0,0117	−0,006	8.4122	8.8477	0.5703	−8.0735
6667	4 Cygni	6	20 45,01	2,158	−0,0011	+0,001	8.4540	8.8885	0.3341	+8.2235
6668	Sagittarii	7½	21 0,57	3,422	−0,0078	−0,009	8.3796	8.8126	0.5343	−7.8110
6669	Telescopii.....	6½	21 2,70	4,765	−0,0336	+0,020	8.5889	9.0217	0.6781	−8.4941
6670	35 Aquilæ c	6	21 26,01	3,035	−0,0039	+0,002	8.3655	8.7961	0.4821	+6.8246
6671	Sagittarii	6	21 59,45	3,567	−0,0097	−0,009	8.3999	8.8272	0.5523	−7.9662
6672*	Sagittarii	7	22 5,29	3,682	−0,0114	.....	8.4151	8.8419	0.5661	−8.0575
6673*	Cygni	6½	22 17,65	2,373	−0,0011	−0,001	8.4285	8.8541	0.3752	+8.1161
6674	6 Vulpeculæ..... α	4	22 27,88	2,504	−0,0013	−0,009	8.4111	8.8357	0.3986	+8.0266
6675	Sagittarii	6	22 32,11	4,348	−0,0240	−0,003	8.5259	8.9501	0.6383	−8.3798
6676*	8 Vulpeculæ.....	5½	22 41,43	2,502	−0,0012	+0,001	8.4126	8.8359	0.3982	+8.0297
6677*	Sagittarii	7	22 42,07	3,750	−0,0126	.....	8.4280	8.8512	0.5741	−8.1069
6678	7 Vulpeculæ.....	7	22 48,16	2,616	−0,0016	+0,001	8.3992	8.8219	0.4176	+7.9327
6679	36 Aquilæ ..... e	6	22 49,23	3,138	−0,0049	+0,007	8.3730	8.7955	0.4967	−7.1055
6680*	Sagittarii	7	22 55,53	3,827	−0,0139	.....	8.4407	8.8626	0.5829	−8.1548
6681	Draconis	6½	23 3,80	1,091	−0,0091	+0,003	8.6461	9.0672	0.0379	+8.5732
6682*	Sagittarii	7	23 18,99	3,743	−0,0126	.....	8.4301	8.8498	0.5733	−8.1060
6683	Sagittarii	7	23 21,29	3,571	−0,0099	+0,025	8.4074	8.8268	0.5528	−7.9777
6684*	Sagittarii	7	23 33,65	3,812	−0,0137	.....	8.4415	8.8598	0.5811	−8.1492
6685*	Sagittarii	7	23 41,45	3,689	−0,0117	.....	8.4243	8.8418	0.5669	−8.0712
6686	Pavonis.....	6	23 42,76	6,488	−0,0985	+0,141	8.8413	9.2587	0.8121	−8.8141
6687	7 Cygni ..... ι¹	6	23 45,33	1,471	−0,0050	−0,006	8.5879	9.0051	0.1677	+8.4845
6688	Pavonis.....	6	23 51,37	5,906	−0,0734	−0,005	8.7723	9.1889	0.7713	−8.7338
6689	Sagittarii	6	24 4,96	4,477	−0,0275	+0,022	8.5567	8.9720	0.6510	−8.4305
6690	6 Cygni ..... β	3	24 40,40	2,418	−0,0012	+0,002	8.4342	8.8462	0.3834	+8.1008
6691	Cygni	7	24 42,65	2,417	−0,0012	+0,003	8.4344	8.8462	0.3833	+8.1011
6692	Pavonis.....	6	24 59,32	6,009	−0,0787	−0,005	8.7915	9.2017	0.7788	−8.7556
6693*	Sagittarii	7	25 29,48	3,846	−0,0146	.....	8.4568	8.8642	0.5851	−8.1801
6694	Sagittarii	7	25 30,11	3,630	−0,0111	−0,011	8.4255	8.8328	0.5599	−8.0378
6695	Vulpeculæ.....	6	25 31,14	2,602	−0,0015	+0,002	8.4144	8.8217	0.4154	+7.9610
6696	Pavonis.....	6	25 47,52	5,086	−0,0453	−0,018	8.6665	9.0723	0.7064	−8.5964
6697	10 Cygni ..... ι²	5	25 55,45	1,512	−0,0047	+0,004	8.5926	8.9977	0.1794	+8.4856
6698	8 Cygni	6	26 11,83	2,228	−0,0011	+0,002	8.4711	8.8746	0.3478	+8.2202
6699	Sagittarii	6½	26 37,41	3,614	−0,0110	−0,003	8.4290	8.8302	0.5580	−8.0320
6700	Sagittarii	7	26 42,87	3,550	−0,0100	−0,002	8.4216	8.8222	0.5502	−7.9778
6701	38 Aquilæ ..... μ	4½	26 45,71	+2,917	−0,0032	+0,017	8.3949	8.7953	+0.4649	+7.4849
6702	Draconis	6	26 47,29	−2,010	−0,1088	.....	9.0161	9.4163	−0.3033	+9.0035
6703	37 Aquilæ ..... k	5	26 51,35	+3,309	−0,0069	+0,004	8.4000	8.7998	+0.5198	−7.6760
6704	51 Sagittarii ..... λ¹	6	26 54,93	3,651	−0,0115	+0,004	8.4352	8.8348	0.5624	−8.0619
6705	Pavonis	6	19 27 1,05	+5,884	−0,0755	−0,035	+8.7867	−9.1857	+0.7697	−8.7481

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6661	70 11 50,3	−6,83	−0,359	+0,03	−9.8614	−9.0623	−0.8346	−9.9732	2461	125	iii.2426			
6662	24 34 27,4	6,85	0,044	−0,02	−0.0150	−9.4922	0.8357	9.9731	2471	142	ii.2274			
6663	70 24 13,5	6,85	0,360	+0,06	−9.8597	−9.0592	0.8358	9.9730	2462	128	iv.1387	....	....	B.F 2637
6664	105 24 15,8	6,86	0,468	+0,13	−9.2274	+8.9586	0.8366	9.9730	....	124	iii.2428	....	....	M 785
6665	121 5 2,6	6,87	0,525	.....	+9.0550	+9.2477	0.8370	9.9729	....	....	.....	8117		
6666	117 17 16,9	6,91	0,509	+0,13	+8.6503	+9.1984	0.8393	9.9726	....	126	ii.2273	8123	....	B.F 2622
6667	53 58 45,5	6,92	0,295	−0,05	−9.9557	−9.3074	0.8402	9.9725	2464	137	iii.2430			
6668	105 39 48,7	6,94	0,468	+0,12	−9.2162	+8.9706	0.8415	9.9723	....	132	iii.2429	....	....	M 787
6669	143 29 37,3	6,95	0,652	−0,27	+9.6954	+9.4446	0.8417	9.9723	....	....	v.3196	8115	6672	
6670	88 21 2,9	6,98	0,415	−0,02	−9.6635	−8.0005	0.8437	9.9720	2463	135	ii.2275			
6671	111 37 8,3	7,02	0,487	+0,10	−8.7657	+9.1106	0.8465	9.9716	....	138	ii.2276	....	....	M 788
6672	116 1 52,0	7,03	0,503	.....	+8.3243	+9.1871	0.8470	9.9715	....	....	.....	8132		
6673	60 51 9,0	7,05	0,324	+0,07	−9.9217	−9.2334	0.8480	9.9714	2468	146	iii.2434			
6674	65 38 7,0	7,06	0,342	+0,09	−9.8929	−9.1621	0.8489	9.9713	2467	148	ii.2277			
6675	135 35 1,8	7,07	0,593	+0,14	+9.5621	+9.4009	0.8493	9.9712	....	136	iii.2432	8129		
6676	65 32 16,3	7,08	0,341	+0,10	−9.8934	−9.1649	0.8500	9.9711	2470	150	ii.2279			
6677	118 31 11,4	7,08	0,512	.....	+8.8156	+9.2268	0.8501	9.9711	....	....	.....	8135		
6678	70 1 35,5	7,09	0,357	0,00	−9.8618	−9.0819	0.8506	9.9710	2469	151	iii.2436			
6679	93 5 46,0	7,09	0,428	−0,06	−9.5830	+8.2809	0.8507	9.9710	2465	145	ii.2278			
6680	121 10 50,1	7,10	0,522	.....	+9.0527	+9.2631	0.8512	9.9709	....	....	.....	8136		
6681	32 16 27,5	7,11	0,149	+0,08	−0.0096	−9.4768	0.8519	9.9708	....	156	iv.1394	....	....	G 2852
6682	118 17 51,8	7,13	0,510	.....	+8.7853	+9.2268	0.8532	9.9707	....	....	ii.2280	8139	....	Z 1299
6683	111 49 44,3	7,13	0,487	+0,06	−8.7427	+9.1215	0.8534	9.9706	....	147	iii.2437			
6684	120 40 30,3	7,15	0,519	.....	+9.0145	+9.2599	0.8544	9.9705	....	....	.....	8140		
6685	116 19 37,8	7,16	0,503	.....	+8.4048	+9.1997	0.8550	9.9704	....	....	.....	8144		
6686	159 55 43,5	7,16	0,884	+0,04	+9.8624	+9.5257	0.8551	9.9704	....	....	.....	8113	6683	
6687	37 58 58,2	7,17	0,200	+0,04	−0.0014	−9.4498	0.8553	9.9703	2476	160	iii.2439			
6688	156 14 11,3	7,18	0,804	−0,24	+9.8323	+9.5151	0.8558	9.9703	....	....	.....	8119	6685	
6689	138 24 56,1	7,19	0,610	−0,03	+9.6130	+9.4286	0.8570	9.9701	....	....	v.3197	8137	6689	
6690	62 21 6,3	7,24	0,329	−0,02	−9.9123	−9.2242	0.8599	9.9697	2473	161	ii.2281			
6691	62 20 46,2	7,25	0,329	−0,04	−9.9123	−9.2245	0.8600	9.9696	2474	162	iv.1397	....	....	B.F 2642
6692	157 0 54,7	7,27	0,817	+0,47	+9.8379	+9.5233	0.8614	9.9694	....	....	.....	8127	6690	
6693	121 55 34,2	7,31	0,522	.....	+9.0941	+9.2849	0.8638	9.9691	....	....	.....	8152		
6694	114 10 42,5	7,31	0,493	+0,08	−8.1614	+9.1740	0.8639	9.9691	....	159	ii.2282	8154	....	M 790
6695	69 23 11,3	7,31	0,353	+0,07	−9.8657	−9.1084	0.8640	9.9690	....	163	ii.2283	....	....	W 1044
6696	148 18 21,6	7,33	0,690	−0,12	+9.7512	+9.4929	0.8653	9.9688	....	....	v.3198	8142	6696	R 505
6697	38 35 16,9	7,34	0,205	−0,13	−9.9992	−9.4567	0.8659	9.9687	2481	175	ii.2284			
6698	55 51 45,5	7,37	0,302	−0,04	−9.9451	−9.3141	0.8672	9.9685	2480	173	iii.2442			
6699	113 37 54,1	7,40	0,490	−0,01	−8.3979	+9.1701	0.8693	9.9682	....	165	iii.2443	....	....	W 1045
6700	111 5 56,6	7,41	0,481	+0,23	−8.8476	+9.1238	0.8697	9.9681	....	166	ii.2286	....	....	W 1046
6701	82 56 4,4	7,41	−0,395	+0,09	−9.7364	−8.6576	0.8699	9.9681	2479	171	ii.2289			
6702	13 44 20,6	7,41	+0,272	.....	−0.0025	−9.5552	0.8701	9.9681	....	....	.....	....	....	Wol. ii. 46
6703	100 52 59,9	7,42	−0,448	+0,01	−9.3993	+8.8442	0.8704	9.9680	2477	170	ii.2288	....	....	J 495
6704	115 2 36,3	7,43	0,495	+0,02	+6.0000	+9.1951	0.8707	9.9680	2475	168	ii.2287	8162	....	M 791
6705	156 11 9,4	−7,43	−0,797	−0,04	+9.8290	+9.5303	−0.8712	−9.9679	....	....	.....	8141	6699	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6706	52 Sagittarii ..... λ^2	4½	19 27 34,55	+3,655	−0,0117	+0,008	+8.4390	−8.8349	+0.5628	−8.0683
6707	Sagittarii	7	27 41,31	3,502	−0,0094	+0,006	8.4208	8.8161	0.5443	−7.9374
6708	Octantis	6	27 53,11	11,585	−0,5066	−0,159	9.2383	9.6325	1.0639	−9.2337
6709	9 Vulpeculæ	5½	27 59,61	2,633	−0,0017	+0,001	8.4230	8.8166	0.4204	+7.9454
6710	Sagittarii	7	28 20,78	3,487	−0,0093	−0,007	8.4223	8.8140	0.5424	−7.9251
6711	Cygni	6	28 22,66	2,087	−0,0013	.....	8.5053	8.8969	0.3196	+8.2989
6712	Draconis	6	28 40,34	1,067	−0,0101	.....	8.6799	9.0699	0.0281	+8.6097
6713	39 Aquilæ ..... $\varkappa$	4	28 49,24	3,230	−0,0061	+0,003	8.4049	8.7940	0.5093	−7.5123
6714*	9 Cygni	5½	28 53,69	2,381	−0,0011	+0,007	8.4604	8.8491	0.3767	+8.1478
6715	41 Aquilæ ..... ι	5	28 57,70	3,106	−0,0049	+0,005	8.4021	8.7905	0.4921	−6.8521
6716*	Sagittarii	7	29 33,29	3,754	−0,0137	.....	8.4626	8.8478	0.5745	−8.1473
6717	Cygni	6	29 33,69	1,652	−0,0036	.....	8.5873	8.9724	0.2179	+8.4646
6718*	Cygni	6	29 47,84	1,955	−0,0017	.....	8.5353	8.9192	0.2911	+8.3616
6719	42 Aquilæ	6	29 49,89	3,178	−0,0056	+0,010	8.4076	8.7913	0.5022	−7.3461
6720	Cygni	6	29 59,31	1,894	−0,0021	.....	8.5470	8.9298	0.2773	+8.3857
6721	Cygni	6	30 23,93	1,707	−0,0032	.....	8.5817	8.9624	0.2323	+8.4517
6722	11 Cygni	6	30 24,93	2,153	−0,0012	+0,003	8.5041	8.8847	0.3331	+8.2797
6723	Cygni	6	30 27,01	1,551	−0,0045	+0,017	8.6092	8.9895	0.1906	+8.4992
6724	4 Sagittæ ..... g	6	30 29,95	2,714	−0,0021	+0,004	8.4265	8.8066	0.4336	+7.8702
6725*	Sagittarii	neb.	30 31,71	3,820	−0,0150	.....	8.4774	8.8574	0.5821	−8.1928
6726*	53 Sagittarii	7	30 48,45	3,614	−0,0115	+0,005	8.4489	8.8274	0.5579	−8.0541
6727	Sagittarii	6½	31 5,90	3,613	−0,0115	+0,005	8.4502	8.8271	0.5579	−8.0555
6728	Cygni	5½	31 45,90	1,907	−0,0020	.....	8.5533	8.9266	0.2804	+8.3901
6729*	44 Aquilæ ..... σ	5	31 47,55	2,962	−0,0037	+0,003	8.4166	8.7898	0.4715	+7.3620
6730*	Cygni	7	31 54,33	1,609	−0,0040	−0,004	8.6064	8.9791	0.2065	+8.4901
6731	Cygni	6	31 59,49	1,867	−0,0022	.....	8.5615	8.9337	0.2711	+8.4061
6732	Pavonis.....	6	32 2,12	7,062	−0,1410	−0,004	8.9467	9.3187	0.8490	−8.9270
6733	54 Sagittarii ..... e^1	5½	32 7,63	3,438	−0,0090	+0,007	8.4349	8.8064	0.5363	−7.8916
6734	13 Cygni ..... θ	4	32 25,07	+1,612	−0,0040	−0,001	8.6085	8.9784	+0.2072	+8.4919
6735	61 Draconis ..... σ	5	32 38,25	−0,201	−0,0400	+0,094	8.8724	9.2412	−9.3023	+8.8437
6736	45 Aquilæ	6	32 59,74	+3,091	−0,0049	+0,004	8.4203	8.7872	+0.4901	−6.6464
6737	Draconis	5½	33 9,41	0,650	−0,0182	.....	8.7654	9.1315	9.8128	+8.7157
6738*	Sagittarii	7	33 16,77	3,649	−0,0124	.....	8.4649	8.8304	0.5621	−8.0942
6739	5 Sagittæ ..... α	4	33 23,61	2,680	−0,0019	+0,005	8.4430	8.8078	0.4281	+7.9252
6740	12 Cygni ..... φ	4	33 27,16	2,367	−0,0011	+0,001	8.4839	8.8484	0.3743	+8.1803
6741	Cygni	5½	33 47,16	1,663	−0,0036	+0,025	8.6062	8.9690	0.2208	+8.4835
6742	55 Sagittarii ..... e^2	5	33 56,26	3,433	−0,0091	+0,007	8.4425	8.8046	0.5357	−7.8951
6743	Pavonis.....	6	34 17,80	6,383	−0,1067	+0,017	8.8856	9.2458	0.8050	−8.8578
6744	6 Sagittæ ..... β	5	34 18,82	2,693	−0,0020	+0,004	8.4457	8.8058	0.4302	+7.9149
6745	14 Cygni	5½	34 33,53	1,949	−0,0018	+0,005	8.5592	8.9180	0.2899	+8.3887
6746	Sagittarii	6	34 59,79	3,417	−0,0090	+0,003	8.4457	8.8022	0.5337	−7.8811
6747	46 Aquilæ	7	35 10,84	2,814	−0,0027	+0,004	8.4391	8.7947	0.4493	+7.7514
6748	Cygni	5	35 18,15	1,348	−0,0068	.....	8.6676	9.0226	0.1297	+8.5790
6749	47 Aquilæ ..... χ	6	35 30,71	2,822	−0,0027	+0,004	8.4399	8.7938	0.4506	+7.7388
6750*	Sagittæ.....	7	19 35 38,75	+2,671	−0,0019	+0,012	+8.4538	−8.8070	+0.4266	+7.9465

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6706	115 12 35,0	−7,48	−0,495	0,00	+7.4150	+9.2009	−0.8738	−9.9675	2478	174	ii.2290	8166	....	M792,J497
6707	109 10 44,7	7,49	0,474	+0,12	−9.0216	+9.0887	0.8743	9.9674	....	176	ii.2291	....	....	B.F 2643
6708	171 42 51,6	7,50	1,567	+0,56	+9.9321	+9.5685	0.8753	9.9673	....	....	.....	8094	6694	
6709	70 33 2,4	7,51	0,356	−0,03	−9.8561	−9.0960	0.8758	9.9672	2483	184	ii.2292			
6710	108 33 30,4	7,54	0,471	+0,02	−9.0663	+9.0780	0.8774	9.9669	....	180	ii.2293	....	....	B.F 2645
6711	51 33 45,3	7,54	0,282	.....	−9.9619	−9.3689	0.8776	9.9669	....	....	.....	....	....	G 2870
6712	31 42 46,9	7,57	0,144	.....	−0.0069	−9.5065	0.8789	9.9667	....	....	.....	....	....	G 2875
6713	97 21 23,0	7,58	0,436	−0,02	−9.4940	+8.6848	0.8796	9.9665	2482	187	ii.2294	....	....	J 498
6714	60 51 51,1	7,59	0,321	+0,05	−9.9190	−9.2652	0.8800	9.9665	2487	192	ii.2296			
6715	91 36 52,7	7,59	0,419	−0,01	−9.6103	+8.0280	0.8803	9.9664	2484	188	ii.2295	....	....	J 499
6716	118 56 9,3	7,64	0,506	.....	+8.8300	+9.2655	0.8830	9.9660	....	....	.....	8175		
6717	41 3 46,0	7,64	0,223	.....	−9.9922	−9.4582	0.8831	9.9660	....	....	.....	....	....	G 2876
6718	47 54 50,3	7,66	0,264	.....	−9.9738	−9.4081	0.8841	9.9658	....	....	.....	....	....	B.F 2664
6719	94 58 44,5	7,66	0,428	+0,09	−9.5467	+8.5206	0.8843	9.9658	2485	196	ii.2297			
6720	46 22 55,9	7,67	0,255	.....	−9.9784	−9.4215	0.8850	9.9656	....	....	.....	....	....	G 2878
6721	42 9 35,8	7,71	0,230	.....	−9.9893	−9.4546	0.8869	9.9653	....	....	.....	....	....	G 2880
6722	53 23 6,4	7,71	0,290	−0,04	−9.9537	−9.3603	0.8870	9.9653	2491	206	iii.2449			
6723	39 4 56,0	7,71	0,209	+0,10	−9.9957	−9.4749	0.8871	9.9653	....	211	iv.1416	....	....	G 2881
6724	73 52 11,3	7,72	0,365	−0,06	−9.8282	−9.0289	0.8873	9.9652	2489	203	ii.2298			
6725	121 17 2,9	7,72	0,514	.....	+9.0350	+9.3007	0.8875	9.9652	....	....	.....	8178		
6726	113 45 44,3	7,74	0,486	−0,11	−8.4065	+9.1918	0.8887	9.9650	2486	199	ii.2299	8182	....	M 795
6727	113 45 57,7	7,76	0,486	−0,09	−8.4082	+9.1931	0.8901	9.9648	2488	201	ii.2300	8183	....	B.F 2656
6728	46 37 39,6	7,82	0,256	.....	−9.9768	−9.4276	0.8931	9.9642	....	....	.....	....	....	G 2891
6729	84 56 24,2	7,82	0,398	−0,01	−9.7105	−8.5364	0.8932	9.9642	2492	215	ii.2301			
6730	40 5 46,7	7,83	0,216	−0,02	−9.9929	−9.4751	0.8937	9.9641	2496	220	iii.2450	....	....	G 2894 A 446
6731	45 38 1,9	7,84	0,251	.....	−9.9795	−9.4365	0.8941	9.9640	....	....	.....	....	....	G 2893
6732	162 51 58,1	7,84	0,948	+0,80	+9.8761	+9.5723	0.8943	9.9640	....	....	.....	8156	6714	
6733	106 37 55,1	7,85	0,461	0,00	−9.1830	+9.0491	0.8947	9.9639	2490	214	ii.2302	....	....	M 797
6734	40 7 29,7	7,87	−0,216	−0,21	−9.9926	−9.4772	0.8960	9.9637	2498	223	ii.2303			
6735	20 35 42,0	7,89	+0,027	+1,83	−0.0058	−9.5660	0.8969	9.9635	2505	236	ii.2306			
6736	90 57 51,8	7,92	−0,414	−0,02	−9.6216	+7.8224	0.8985	9.9632	2493	219	ii.2304			
6737	26 53 57,3	7,93	0,087	.....	−0.0066	−9.5473	0.8992	9.9631	....	....	.....	....	....	G 2899
6738	115 12 16,4	7,94	0,489	.....	−7.1761	+9.2268	0.8998	9.9630	....	....	.....	8198		
6739	72 19 36,6	7,95	0,359	−0,03	−9.8402	−9.0803	0.9003	9.9629	2495	224	ii.2305			
6740	60 11 22,3	7	0,317	−0,06	−9.9206	−9.2948	0.9005	9.9629	2497	226	ii.2307			
6741	41 3 49,8	7,98	0,223	+0,13	−9.9898	−9.4771	0.9020	9.9626	....	233	iii.2453	....	....	G 2897
6742	106 28 12,4	7,99	0,459	−0,04	−9.1937	+9.0530	0.9027	9.9625	2494	222	iii.2452	....	....	M798, J500
6743	159 41 53,0	8,02	0,853	−0,15	+9.8507	+9.5741	0.9042	9.9622	....	....	.....	8177	6721	
6744	72 52 1,2	8,02	0,360	−0,02	−9.8355	−9.0713	0.9043	9.9621	2499	229	ii.2309			
6745	47 31 32,4	8,04	0,260	−0,07	−9.9725	−9.4326	0.9054	9.9619	2503	240	iii.2454			
6746	105 48 49,5	8,08	0,456	+0,27	−9.2256	+9.0404	0.9072	9.9616	....	230	ii.2310	....	....	B.F 2667
6747	78 9 13,9	8,09	0,376	−0,07	−9.7871	−8.9182	0.9080	9.9614	2500	238	iii.2455			
6748	35 22 34,5	8,10	0,180	.....	−9.9987	−9.5177	0.9086	9.9613	....	....	.....	....	....	G 2907
6749	78 31 18,5	8,12	0,376	−0,07	−9.7834	−8.9061	0.9095	9.9611	2501	242	ii.2311			
6750	71 53 2,0	−8,13	−0,356	−0,03	−9.8431	−9.1005	−0.9100	−9.9610	2502	244	iii.2458			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6751	Telescopii..... ν	5½	19 35 45,29	+4,932	−0,0456	+0,016	+8.6928	−9.0454	+0.6930	−8.6150
6752	Draconis	6	35 53,72	−0,533	−0,0530	.....	8.9262	9.2781	−9.7267	+8.9025
6753	Sagittarii	6½	35 53,79	+3,812	−0,0157	−0,005	8.5009	8.8528	+0.5812	−8.2160
6754	Cygni	6	36 12,01	1,842	−0,0024	.....	8.5859	8.9363	0.2654	+8.4367
6755	Sagittarii	5½	36 26,65	3,841	−0,0164	−0,003	8.5080	8.8571	0.5844	−8.2354
6756	Pavonis	5½	36 35,58	5,806	−0,0811	−0,020	8.8258	9.1742	0.7639	−8.7864
6757	Pavonis	6	37 12,85	5,308	−0,0603	+0,047	8.7587	9.1040	0.7250	−8.7023
6758	10 Vulpeculæ	6	37 28,74	2,492	−0,0012	+0,002	8.4837	8.8276	0.3965	+8.1163
6759	48 Aquilæ ..... ψ	6½	37 35,59	2,791	−0,0025	+0,004	8.4511	8.7945	0.4457	+7.8015
6760	56 Sagittarii ..... f	5½	37 36,53	3,517	−0,0107	−0,009	8.4673	8.8106	0.5461	−8.0038
6761*	Aquilæ	7	37 36,93	2,792	−0,0025	+0,007	8.4511	8.7943	0.4460	+7.7990
6762*	Vulpeculæ	6	37 47,39	2,456	−0,0011	+0,002	8.4900	8.8324	0.3903	+8.1438
6763	16 Cygni c	6	37 49,77	1,611	−0,0042	−0,015	8.6345	8.9766	0.2071	+8.5199
6764	Cygni	6½	37 52,61	1,612	−0,0042	−0,010	8.6346	8.9765	0.2072	+8.5200
6765	Cygni	6	37 53,81	2,109	−0,0013	.....	8.5466	8.8884	0.3241	+8.3390
6766	Pavonis	6	37 59,34	5,141	−0,0544	−0,012	8.7369	9.0783	0.7111	−8.6725
6767	49 Aquilæ v	6½	38 22,19	2,916	−0,0035	+0,006	8.4467	8.7861	0.4648	+7.5480
6768*	Sagittarii	7	38 29,84	3,759	−0,0151	.....	8.5041	8.8429	0.5751	−8.1967
6769	Cygni	6	38 44,55	1,999	−0,0016	.....	8.5697	8.9073	0.3008	+8.3902
6770*	Sagittarii	7	38 46,34	3,736	−0,0147	.....	8.5018	8.8392	0.5724	−8.1834
6771	15 Cygni	5	38 52,09	2,156	−0,0011	+0,010	8.5429	8.8798	0.3336	+8.3223
6772	50 Aquilæ ..... γ	3	39 7,68	2,851	−0,0030	+0,006	8.4533	8.7890	0.4550	+7.7036
6773	Sagittarii	7	39 9,17	3,544	−0,0113	−0,009	8.4772	8.8127	0.5495	−8.0378
6774	Sagittarii	6½	39 16,53	4,415	−0,0310	+0,018	8.6208	8.9557	0.6449	−8.4913
6775*	Sagittarii	7	39 29,46	3,751	−0,0151	.....	8.5072	8.8410	0.5742	−8.1967
6776	Sagittarii	6½	39 37,07	3,375	−0,0088	−0,003	8.4615	8.7947	0.5282	−7.8473
6777	Cygni	6	40 16,07	2,234	−0,0010	+0,012	8.5357	8.8657	0.3490	+8.2905
6778	Sagittarii	7	40 16,92	4,170	−0,0065	−0,007	8.5815	8.9114	0.6201	−8.4089
6779	18 Cygni ..... δ	3½	40 17,11	1,869	−0,0023	+0,007	8.5998	8.9297	0.2717	+8.4475
6780	Cygni	5	40 17,99	1,158	−0,0099	.....	8.7228	9.0526	0.0637	+8.6496
6781	Sagittarii	7	40 29,02	3,343	−0,0084	−0,010	8.4626	8.7915	0.5242	−7.8042
6782*	Telescopii.....	6	40 39,98	4,821	−0,0443	0,000	8.6977	9.0258	0.6832	−8.6129
6783	7 Sagittæ..... δ	4	40 42,16	2,674	−0,0019	+0,010	8.4749	8.8028	0.4271	+7.9688
6784	17 Cygni ..... χ	5	40 44,09	2,273	−0,0010	+0,002	8.5311	8.8588	0.3567	+8.2717
6785*	Aquilæ	6	40 45,82	3,311	−0,0079	+0,010	8.4614	8.7889	0.5200	−7.7512
6786*	Sagittarii	7	41 9,83	3,689	−0,0141	.....	8.5050	8.8306	0.5669	−8.1635
6787	Pavonis	6	41 34,01	5,300	−0,0630	+0,056	8.7782	9.1019	0.7243	−8.7223
6788	Aquilæ	7	41 35,42	3,308	−0,0079	+0,001	8.4645	8.7880	0.5195	−7.7489
6789	52 Aquilæ ..... π	6	41 37,96	2,826	−0,0028	+0,002	8.4652	8.7885	0.4512	+7.7629
6790	Sagittarii	6	41 38,47	4,093	−0,0231	−0,015	8.5738	8.8971	0.6120	−8.3841
6791*	Aquilæ	7½	41 49,13	2,829	−0,0028	+0,007	8.4657	8.7881	0.4517	+7.7584
6792*	Sagittarii	7	41 55,17	3,708	−0,0147	.....	8.5111	8.8329	0.5692	−8.1805
6793*	Octantis	6	42 0,99	44,076	−12,1105	.....	9.9895	0.3108	1.6442	−9.9893
6794	8 Sagittæ..... ζ	5	42 19,25	2,661	−0,0018	+0,007	8.4829	8.8028	0.4250	+7.9905
6795*	Sagittarii	7	19 42 26,95	+3,697	−0,0145	.....	+8.5116	−8.8309	+0.5679	−8.1754

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6751	146 42 56,1	−8,14	−0,657	+0,07	+9.7209	+9.5305	−0.9105	−9.9609	....	....	v.3201	8200	6725	
6752	18 43 41,2	8,15	+0,071	.....	−0.0020	−9.5852	0.9111	9.9608	....	....	.....	....	....	G 2917
6753	121 15 28,9	8,15	−0,508	+0,12	+9.0133	+9.3240	0.9111	9.9608	....	237	ii.2312	8208		
6754	44 49 45,0	8,17	0,245	.....	−9.9794	−9.4609	0.9124	9.9606	....	....	.....	....	....	G 2909
6755	122 15 54,3	8,19	0,511	+0,08	+9.0803	+9.3386	0.9134	9.9604	....	243	iii.2459	8211		
6756	155 57 49,5	8,20	0,773	+0,03	+9.8173	+9.5724	0.9141	9.9602	....	....	.....	8195	6727	
6757	151 25 46,3	8,25	0,706	+0,35	+9.7730	+9.5581	0.9167	9.9597	....	....	.....	8201	6730	
6758	64 35 5,5	8,28	0,331	+0,01	−9.8937	−9.2482	0.9178	9.9595	2508	256	ii.2314			
6759	77 3 12,2	8,28	0,371	+0,01	−9.7972	−8.9664	0.9183	9.9594	2506	254	iii.2461			
6760	110 6 57,2	8,29	0,467	+0,03	−8.9745	+9.1526	0.9183	9.9594	2504	249	ii.2313	....	6734	M 800
6761	77 7 34,5	8,29	0,371	+0,07	−9.7966	−8.9641	0.9183	9.9594	2507	255	iii.2462			
6762	63 13 9,7	8,30	0,326	.....	−9.9018	−9.2706	0.9191	9.9592	2510	....	ii.2315	....	....	W 1058
6763	39 49 13,6	8,30	0,214	+0,14	−9.9899	−9.5024	0.9192	9.9592	2512	261	iii.2464	....	....	B.F 2682
6764	39 49 42,4	8,31	0,214	+0,16	−9.9899	−9.5026	0.9194	9.9591	2513	262	iv.1442	....	....	G 2924
6765	51 41 0,3	8,31	0,280	.....	−9.9566	−9.4097	0.9195	9.9591	....	....	.....	....	....	G 2920
6766	149 33 42,1	8,32	0,682	+0,12	+9.7519	+9.5533	0.9199	9.9590	....	....	v.3203	8207	6733	
6767	82 44 44,7	8,35	0,387	−0,03	−9.7366	−8.7206	0.9215	9.9587	2509	258	iii.2465			
6768	119 31 13,7	8,36	0,498	.....	+8.8470	+9.3124	0.9220	9.9586	....	....	.....	8223		
6769	48 35 5,4	8,38	0,265	.....	−9.9669	−9.4413	0.9230	9.9584	....	....	.....	....	....	G 2925
6770	118 42 36,3	8,38	0,495	.....	+8.7474	+9.3025	0.9231	9.9584	....	....	.....	8225		
6771	53 0 16,7	8,39	0,286	−0,08	−9.9510	−9.4007	0.9235	9.9583	2514	269	ii.2316			
6772	79 44 54,9	8,41	0,378	−0,01	−9.7698	−8.8727	0.9246	9.9580	2511	264	ii.2317	....	6742	
6773	111 19 21,0	8,41	0,469	+0,11	−8.8704	+9.1831	0.9247	9.9580	....	260	iii.2467	....	....	M 801
6774	137 55 29,9	8,42	0,584	+0,02	+9.5831	+9.4936	0.9252	9.9579	....	....	v.3204	8221	6738	
6775	119 17 16,2	8,44	0,496	.....	+8.8149	+9.3134	0.9261	9.9577	....	....	.....	8232		
6776	104 4 4,1	8,45	0,446	+0,08	−9.3021	+9.0101	0.9266	9.9576	....	265	ii.2318	....	....	M 802
6777	55 21 5,9	8,50	0,295	+0,15	−9.9405	−9.3818	0.9293	9.9570	....	278	iii.2469			
6778	132 13 48,4	8,50	0,551	+0,03	+9.4586	+9.4545	0.9293	9.9570	....	266	iv.1446	8233	....	R 506
6779	45 14 0,0	8,50	0,247	0,00	−9.9759	−9.4748	0.9293	9.9570	2520	280	ii.2321			
6780	32 20 22,1	8,50	0,153	.....	−9.9989	−9.5540	0.9294	9.9570	....	....	.....	....	....	G 2935
6781	102 41 12,3	8,51	0,442	+0,05	−9.3514	+8.9696	0.9301	9.9569	....	271	ii.2319	....	....	M 803
6782	145 20 47,3	8,53	0,636	+0,07	+9.6970	+9.5438	0.9309	9.9567	....	....	v.3205	8227	6745	
6783	71 49 54,7	8,53	0,353	−0,05	−9.8417	−9.1227	0.9310	9.9567	2516	279	ii.2322			
6784	56 37 4,1	8,53	0,300	+0,41	−9.9347	−9.3695	0.9311	9.9566	2517	282	ii.2323			
6785	101 14 20,6	8,54	0,437	0,00	−9.3966	+8.9189	0.9313	9.9566	2515	273	ii.2320	....	....	W 1061
6786	117 5 42,4	8,57	0,487	.....	+8.4065	+9.2891	0.9329	9.9562	....	....	.....	8241		
6787	151 33 5,9	8,60	0,698	+0,32	+9.7691	+9.5764	0.9345	9.9559	....	....	v.3206	8226	6747	
6788	101 5 51,7	8,60	0,436	+0,17	−9.4012	+8.9167	0.9346	9.9559	....	281	iii.2471			
6789	78 33 9,2	8,61	0,372	−0,02	−9.7815	−8.9302	0.9347	9.9558	2518	283	ii.2324			
6790	130 14 59,7	8,61	0,539	+0,14	+9.4021	+9.4429	0.9348	9.9558	....	275	iii.2470	8239		
6791	78 41 10,5	8,62	0,373	.....	−9.7800	−8.9259	0.9355	9.9557	2521	....	.....	....	....	B 42
6792	117 51 4,5	8,63	0,488	.....	+8.5798	+9.3032	0.9359	9.9556	....	....	.....	8243		
6793	178 18 51,7	8,64	5,802	.....	+9.9491	+9.6339	0.9363	9.9555	....	....	.....	....	6693	
6794	71 13 48,0	8,66	0,350	−0,07	−9.8458	−9.1428	0.9375	9.9552	2523	289	ii.2327			
6795	117 27 41,3	−8,67	−0,486	.....	+8.4871	+9.2996	−0.9380	−9.9551	....	....	.....	8248		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6796	51 Aquilæ	5½	19 42 31,39	+3,308	−0,0080	−0,001	+8.4682	−8.7872	+0.5196	−7.7543
6797	Pavonis	5½	42 41,73	6,302	−0,1128	−0,227	8.9173	9.2354	0.7995	−8.8890
6798	Octantis	6	42 45,27	7,386	−0,1817	−0,005	9.0312	9.3491	0.8684	−9.0149
6799	Cygni	6	43 3,79	1,755	−0,0031	.....	8.6327	8.9491	0.2442	+8.5006
6800	Cygni	var.	43 7,25	2,287	−0,0009	+0,005	8.5391	8.8551	0.3592	+8.2759
6801	Pavonis..... ε	4	43 8,80	7,082	−0,1614	+0,012	9.0039	9.3198	0.8502	−8.9852
6802	53 Aquilæ ..... α	1½	43 27,83	2,891	−0,0034	+0,034	8.4684	8.7828	0.4611	+7.6369
6803	57 Sagittarii	5½	43 28,77	3,495	−0,0109	+0,003	8.4892	8.8035	0.5434	−8.0110
6804	Pavonis.....	6	43 33,86	6,231	−0,1099	+0,183	8.9130	9.2269	0.7946	−8.8836
6805	54 Aquilæ ..... θ	5½	43 50,47	2,858	−0,0031	+0,017	8.4718	8.7844	0.4560	+7.7134
6806*	Cygni	6	44 8,97	2,121	−0,0011	+0,003	8.5718	8.8829	0.3265	+8.3644
6807	Pavonis.....	6	44 28,92	+5,092	−0,0564	+0,011	8.7595	9.0690	+0.7069	−8.6938
6808	Draconis	6	44 29,90	−0,052	−0,0405	.....	8.9128	9.2222	−8.7135	+8.8828
6809	Pavonis.....	6	44 31,81	+5,015	−0,0534	−0,017	8.7474	9.0567	+0.7003	−8.6773
6810	12 Vulpeculæ	5½	44 36,64	2,580	−0,0015	+0,005	8.5017	8.8106	0.4116	+8.0796
6811	55 Aquilæ ..... η	4	44 49,86	3,058	−0,0051	+0,002	8.4690	8.7768	0.4854	+6.5064
6812	Sagittarii ..... ι	4½	44 54,98	4,160	−0,0256	+0,019	8.6000	8.9074	0.6191	−8.4277
6813	19 Cygni	6	45 14,94	2,123	−0,0012	+0,001	8.5761	8.8819	0.3269	+8.3687
6814*	Sagittarii	7	45 18,92	3,612	−0,0132	.....	8.5111	8.8166	0.5577	−8.1254
6815*	Aquilæ	5½	45 26,75	3,144	−0,0060	.....	8.4721	8.7770	0.4975	−7.2574
6816	Sagittarii	6	45 27,87	3,861	−0,0184	−0,005	8.5500	8.8548	0.5867	−8.2911
6817	Cygni	5	45 28,23	2,058	−0,0014	.....	8.5886	8.8934	0.3134	+8.3986
6818	Draconis	6	45 34,66	1,074	−0,0119	.....	8.7605	9.0648	0.0311	+8.6938
6819	9 Sagittæ.....	7	45 40,51	2,675	−0,0019	+0,004	8.4947	8.7985	0.4273	+7.9914
6820	Pavonis ..... μ^1	5½	45 43,78	5,938	−0,0965	+0,005	8.8866	9.1902	0.7736	−8.8517
6821	56 Aquilæ	6	45 59,84	3,259	−0,0075	+0,002	8.4788	8.7810	0.5131	−7.6711
6822	57 Aquilæ	6	46 30,12	3,252	−0,0074	0,000	8.4803	8.7802	0.5121	−7.6557
6823	58 Sagittarii ..... ω	5½	46 38,71	3,671	−0,0146	+0,018	8.5248	8.8240	0.5648	−8.1773
6824	20 Cygni ..... d	5½	46 51,77	1,508	−0,0056	−0,004	8.6933	8.9915	0.1784	+8.5934
6825	59 Aquilæ ..... ξ	5	46 58,78	2,901	−0,0035	+0,011	8.4815	8.7791	0.4626	+7.6292
6826	58 Aquilæ	6	47 3,62	3,073	−0,0052	+0,003	8.4774	8.7747	0.4876	−5.7852
6827	13 Vulpeculæ	5	47 5,23	2,547	−0,0013	+0,005	8.5158	8.8129	0.4060	+8.1198
6828	Pavonis ..... μ^2	5½	47 12,33	5,930	−0,0976	+0,005	8.8923	9.1889	0.7730	−8.8574
6829*	Sagittarii	6½	47 23,10	3,786	−0,0171	.....	8.5454	8.8412	0.5782	−8.2568
6830	Cygni	6	47 42,08	1,768	−0,0030	.....	8.6505	8.9448	0.2474	+8.5185
6831*	Sagittarii	7	47 43,72	3,588	−0,0131	.....	8.5174	8.8115	0.5548	−8.1171
6832	59 Sagittarii ..... b	5	47 44,24	3,693	−0,0152	+0,003	8.5323	8.8264	0.5673	−8.1976
6833	60 Aquilæ ..... β	3½	47 56,64	2,945	−0,0039	+0,007	8.4832	8.7763	0.4690	+7.5050
6834	Draconis	6	48 2,91	0,937	−0,0147	.....	8.7932	9.0858	9.9718	+8.7342
6835	Vulpeculæ	6½	48 9,26	+2,542	−0,0013	+0,008	8.5206	8.8127	+0.4052	+8.1287
6836	63 Draconis ..... ε	5½	48 39,31	−0,177	−0,0468	+0,012	8.9470	9.2367	−9.2487	+8.9196
6837	Pavonis.....	6	49 4,89	+5,111	−0,0600	−0,020	8.7831	9.0709	+0.7085	−8.7197
6838	61 Aquilæ ..... φ	6	49 8,08	2,839	−0,0030	+0,006	8.4933	8.7808	0.4532	+7.7750
6839	10 Sagittæ.....	6	49 12,55	2,725	−0,0022	+0,002	8.5031	8.7903	0.4353	+7.9498
6840	61 Sagittarii ..... g	5½	19 49 26,35	+3,409	−0,0100	+0,002	+8.5032	−8.7893	+0.5326	−7.9405

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6796	101 8 23,5	−8,68	−0,435	−0,04	−9.4007	+8.9221	−0.9383	−9.9550	2519	286	ii.2326			
6797	159 32 54,4	8,69	0,828	−0,08	+9.8407	+9.6085	0.9390	9.9549	....	....	.....	8224	6751	
6798	164 23 56,9	8,69	0,971	−0,50	+9.8758	+9.6207	0.9392	9.9548	....	....	.....	8213	6750	
6799	42 27 41,0	8,72	0,231	.....	−9.9811	−9.5061	0.9404	9.9545	....	....	.....	....	....	G 2941
6800	56 56 7,9	8,72	0,300	+0,06	−9.9320	−9.3753	0.9406	9.9545	....	295	iii.2474			
6801	163 17 48,4	8,72	0,930	+0,08	+9.8679	+9.6198	0.9407	9.9545	....	....	ii.2325	8219	6752	J 501
6802	81 31 30,7	8,75	0,379	−0,38	−9.7496	−8.8082	0.9420	9.9542	2524	294	ii.2329	....	6758	M 804
6803	109 25 17,6	8,75	0,459	+0,06	−9.0418	+9.1616	0.9420	9.9541	2522	291	ii.2328			
6804	159 9 47,1	8,76	0,818	+2,15	+9.8366	+9.6108	0.9424	9.9541	....	....	.....	8229	6756	
6805	79 57 23,2	8,78	0,375	+0,16	−9.7665	−8.8828	0.9434	9.9538	2525	298	ii.2330			
6806	51 39 55,8	8,80	0,278	+0,12	−9.9531	−9.4350	0.9446	9.9535	2529	304	iii.2477	....	....	G 2943
6807	149 17 20,6	8,83	−0,667	+0,07	+9.7407	+9.5781	0.9459	9.9532	....	....	v.3208	8245	6759	
6808	21 1 46,8	8,83	+0,007	.....	−9.9973	−9.6138	0.9460	9.9532	....	....	.....	....	....	G 2952
6809	148 18 42,5	8,83	−0,657	+0,16	+9.7291	+9.5738	0.9461	9.9532	....	....	v.3209	8247	6760	
6810	67 45 59,5	8,84	0,338	−0,05	−9.8700	−9.2221	0.9464	9.9531	2527	305	ii.2332			
6811	89 22 31,6	8,86	0,400	+0,04	−9.6471	−7.6824	0.9473	9.9529	2526	303	ii.2333			
6812	132 15 26,6	8,86	0,544	+0,04	+9.4503	+9.4731	0.9476	9.9528	....	297	ii.2331	8255	....	J502,R507
6813	51 39 40,6	8,89	0,278	−0,12	−9.9526	9.4393	0.9489	9.9525	2534	....	.....	....	....	G 2949
6814	114 17 32,5	8,90	0,472	.....	−8.4281	+9.2612	0.9491	9.9524	....	....	.....	8262		
6815	93 29 47,6	8,91	0,411	.....	−9.5782	+8.4327	0.9496	9.9523	....	....	.....	....	....	B.F 2695
6816	123 25 55,2	8,91	0,505	−0,07	+9.1186	+9.3886	0.9497	9.9523	....	302	iii.2479	8260		
6817	49 46 45,2	8,91	0,269	.....	−9.9590	−9.4576	0.9497	9.9523	....	....	.....	....	....	G 2950
6818	30 57 34,5	8,92	0,140	.....	−9.9962	−9.5812	0.9501	9.9522	....	....	.....	....	....	G 2953
6819	71 42 33,0	8,92	0,349	−0,05	−9.8408	−9.1450	0.9505	9.9521	2532	310	iii.2481			
6820	157 20 16,1	8,93	0,776	+0,33	+9.8190	+9.6136	0.9507	9.9521	....	....	.....	8244	6764	
6821	98 57 31,4	8,95	0,425	−0,01	−9.4614	+8.8419	0.9517	9.9518	2530	309	ii.2334			
6822	98 36 46,3	8,99	0,424	−0,04	−9.4701	+8.8268	0.9537	9.9513	2531	313	iii.2482			
6823	116 41 32,4	9,00	0,479	−0,10	+8.1367	+9.3044	0.9542	9.9512	2528	311	ii.2335	8268	....	B.H 1230
6824	37 23 24,9	9,02	0,197	+0,05	−9.9882	−9.5529	0.9550	9.9510	2542	325	iii.2484			
6825	81 55 21,4	9,03	0,378	+0,06	−9.7445	−8.8009	0.9555	9.9509	2536	319	ii.2336			
6826	90 6 58,6	9,03	0,400	+0,10	−9.6357	+6.9613	0.9558	9.9508	2535	318	ii.2337			
6827	66 18 28,5	9,03	0,332	−0,08	−9.8786	−9.2577	0.9559	9.9508	2537	323	ii.2338			
6828	157 20 34,2	9,04	0,772	+0,23	+9.8172	+9.6192	0.9563	9.9506	....	....	.....	8251	6767	
6829	120 57 51,3	9,06	0,493	.....	+8.9395	+9.3661	0.9570	9.9505	....	....	.....	8274		
6830	42 27 13,3	9,08	0,230	.....	−9.9780	−9.5239	0.9582	9.9502	....	....	.....	....	....	G 2962
6831	113 26 44,3	9,08	0,467	.....	−8.6375	+9.2558	0.9583	9.9501	....	....	.....	8279		
6832	117 33 43,7	9,08	0,480	−0,01	+8.4440	+9.3214	0.9583	9.9501	2533	322	ii.2339	8277	....	B.H 1231
6833	83 57 51,9	9,10	0,383	+0,54	−9.7204	8.6787	0.9591	9.9499	2538	324	ii.2340	....	6774	
6834	29 10 36,8	9,11	0,122	.....	−9.9954	−9.5983	0.9595	9.9498	....	....	.....	....	....	G 2968
6835	66 4 12,6	9,12	−0,330	−0,01	−9.8797	−9.2657	0.9598	9.9497	2541	327	iv.1465	....	....	B.F 2708
6836	20 6 52,8	9,16	+0,023	+0,01	−9.9933	−9.6322	0.9617	9.9493	2554	343	iii.2485			
6837	149 46 44,7	9,19	−0,663	0,00	+9.7401	+9.5976	0.9633	9.9488	....	....	v.3210	8269	6775	
6838	78 58 12,4	9,19	0,368	−0,05	−9.7752	−8.9430	0.9635	9.9488	2543	332	ii.2341			
6839	73 45 28,7	9,20	0,353	−0,07	−9.8229	−9.1082	0.9637	9.9487	2544	334	ii.2342			
6840	105 53 4,4	−9,22	−0,442	+0,05	−9.2413	+9.0996	−0.9646	−9.9485	2540	329	ii.2343	....	....	M 808

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6841*	Sagittarii	6½	19 49 29,39	+3,782	−0,0173	.....	+8.5531	−8.8390	+0.5777	−8.2641
6842	60 Sagittarii .....A	5½	49 48,54	3,665	−0,0149	+0,002	8.5362	8.8206	0.5640	−8.1872
6843	Sagittarii	5½	49 58,14	3,922	−0,0207	+0,005	8.5785	8.8622	0.5935	−8.3443
6844	Sagittarii	6½	50 0,02	4,194	−0,0279	.....	8.6274	8.9109	0.6226	−8.4648
6845	Sagittarii	5½	50 6,51	3,904	−0,0203	+0,007	8.5759	8.8589	0.5915	−8.3355
6846	Sagittarii	6	50 10,03	4,278	−0,0305	+0,003	8.6434	8.9262	0.6312	−8.4968
6847	23 Cygni	5½	50 12,35	1,236	−0,0095	+0,002	8.7545	9.0371	0.0921	+8.6787
6848	Pavonis.....	6	50 25,76	5,960	−0,1026	+0,118	8.9108	9.1923	0.7753	−8.8771
6849	22 Cygni	5	50 30,19	2,142	−0,0010	+0,002	8.5942	8.8754	0.3308	+8.3844
6850	Sagittarii	7	50 40,62	3,564	−0,0130	.....	8.5255	8.8059	0.5519	−8.1104
6851	21 Cygni .....η	5	50 41,10	2,251	−0,0009	+0,002	8.5758	8.8561	0.3524	+8.3310
6852*	Draconis	5½	50 55	1,076	−0,0124	.....	8.7838	9.0631	0.0319	+8.7183
6853	11 Sagittæ.....	6	50 56,87	2,723	−0,0022	+0,003	8.5098	8.7889	0.4350	+7.9603
6854*	Sagittarii	7	51 17,08	3,726	−0,0164	.....	8.5511	8.8287	0.5712	−8.2363
6855*	Sagittæ.....	7½	51 24,94	2,730	−0,0022	+0,010	8.5108	8.7878	0.4361	+7.9536
6856	24 Cygni .....ψ	5½	51 45,09	1,557	−0,0051	0,000	8.7057	8.9812	0.1922	+8.6025
6857	Cygni	5	52 1,19	2,081	−0,0012	.....	8.6111	8.8854	0.3183	+8.4189
6858	12 Sagittæ.....γ	4½	52 5,22	2,662	−0,0018	+0,007	8.5204	8.7943	0.4252	+8.0350
6859	Octantis	6	52 5,79	13,855	−1,0338	−0,137	9.4593	9.7332	1.1416	−9.4567
6860	Cygni	6	52 6,89	2,147	−0,0010	+0,010	8.5997	8.8735	0.3318	+8.3896
6861	Draconis	6	52 15,61	0,992	−0,0142	.....	8.8031	9.0763	9.9963	+8.7425
6862	Draconis	6	52 19,16	1,009	−0,0138	.....	8.8006	9.0734	0.0041	+8.7390
6863	Cephei	6	52 23,11	1,194	−0,0104	.....	8.7709	9.0435	0.0769	+8.6987
6864	Sagittarii	6	52 28,63	3,575	−0,0134	+0,003	8.5337	8.8058	0.5532	−8.1281
6865	Cygni	6	52 38,75	1,641	−0,0043	.....	8.6943	8.9657	0.2150	+8.5817
6866	14 Vulpeculæ	5	52 44,48	2,578	−0,0014	−0,002	8.5332	8.8041	0.4112	+8.1196
6867	Cephei	5½	53 3,71	1,153	−0,0112	+0,017	8.7805	9.0500	0.0618	+8.7111
6868	13 Sagittæ.....	6	53 16,85	2,708	−0,0021	+0,002	8.5197	8.7882	0.4327	+7.9884
6869*	Draconis	7½	53 18,28	0,623	−0,0229	.....	8.8634	9.1317	9.7942	+8.8182
6870	62 Sagittarii c	4½	53 25,70	3,699	−0,0161	+0,006	8.5551	8.8230	0.5681	−8.2285
6871	63 Sagittarii	6	53 34,22	3,365	−0,0097	+0,003	8.5143	8.7814	0.5270	−7.8994
6872	Sagittarii	6	53 34,95	4,001	−0,0234	+0,011	8.6067	8.8738	0.6022	−8.3994
6873	Pavonis..... δ	4	53 56,99	5,780	−0,0962	+0,189	8.9027	9.1681	0.7620	−8.8652
6874	Pavonis.....	6	53 59,88	5,809	−0,0979	.....	8.9067	9.1720	0.7641	−8.8700
6875	25 Cygni	5½	54 21,48	2,198	−0,0009	−0,036	8.5994	8.8630	0.3420	+8.3752
6876	Cygni	6	54 37,42	1,882	−0,0022	.....	8.6580	8.9205	0.2747	+8.5103
6877	Sagittarii	5	54 48,74	3,817	−0,0190	+0,023	8.5792	8.8408	0.5817	−8.3091
6878	Sagittarii	6½	54 50,47	3,569	−0,0136	−0,011	8.5415	8.8030	0.5525	−8.1336
6879	15 Vulpeculæ	5	54 55,48	2,464	−0,0009	+0,005	8.5572	8.8183	0.3917	+8.2193
6880	Sagittarii	7½	55 3,60	3,403	−0,0104	−0,002	8.5230	8.7835	0.5319	−7.9588
6881	Cygni	6	55 16,75	1,590	−0,0049	+0,006	8.7143	8.9737	0.2015	+8.6087
6882	Vulpeculæ	5	55 23,47	2,540	−0,0012	+0,003	8.5480	8.8070	0.4048	+8.1638
6883	16 Vulpeculæ	6	55 39,63	2,537	−0,0012	+0,008	8.5494	8.8071	0.4043	+8.1675
6884	Pavonis.....	6	55 44,70	4,769	−0,0497	−0,016	8.7548	9.0122	0.6785	−8.6705
6885	Pavonis.....	6	19 55 52,76	+4,640	−0,0447	+0,009	+8.7327	−8.9895	+0.6665	−8.6367

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6841	120 56 5,8	−9,22	−0,490	.....	+8.9258	+9.3736	−0.9648	−9.9484	....	....	.....	8288		
6842	116 35 47,1	9,25	0,474	−0,04	+7.9685	+9.3147	0.9659	9.9481	2539	331	ii.2344	8294	....	M 807
6843	125 40 38,7	9,26	0,507	+0,14	+9.2172	+9.4301	0.9665	9.9480	....	330	iii.2487	8291		
6844	133 26 46,3	9,26	0,543	.....	+9.4697	+9.5018	0.9666	9.9479	....	....	.....	8286	....	R 508
6845	125 5 54,2	9,27	0,505	+0,28	+9.1898	+9.4245	0.9670	9.9478	....	333	iii.2489	8292		
6846	135 31 2,9	9,27	0,553	+0,15	+9.5165	+9.5184	0.9672	9.9478	....	328	iii.2488	8285		
6847	32 52 5,0	9,28	0,160	0,00	−9.9913	−9.5894	0.9674	9.9477	2552	349	iii.2490			
6848	157 42 18,3	9,29	0,770	+0,87	+9.8164	+9.6322	0.9682	9.9475	....	....	.....	8267	6777	
6849	51 54 32,9	9,30	0,277	0,00	−9.9485	−9.4565	0.9685	9.9474	2547	342	ii.2346			
6850	112 36 46,1	9,31	0,460	.....	−8.7789	+9.2518	0.9691	9.9473	....	....	ii.2345	....	....	Z 1324
6851	55 18 47,0	9,31	0,291	+0,04	−9.9349	−9.4221	0.9691	9.9473	2548	344	iii.2491			
6852	30 41	9,33	0,139	.....	−9.9924	−9.6022	0.9700	9.9470	....	....	.....	....	....	A
6853	73 36 34,8	9,33	0,351	−0,11	−9.8235	−9.1184	0.9701	9.9470	2545	340	ii.2347			
6854	118 58 44,4	9,36	0,481	.....	+8.6893	+9.3543	0.9713	9.9467	....	....	.....	8304		
6855	73 54 24,5	9,37	0,352	.....	−9.8209	−9.1123	0.9717	9.9465	2546	....	.....	....	....	L 176
6856	37 57 25,4	9,40	0,201	−0,02	−9.9839	−9.5675	0.9729	9.9462	2556	356	iii.2492			
6857	50 1 58,3	9,42	0,268	.....	−9.9541	−9.4795	0.9739	9.9459	....	....	.....	....	....	G 2984
6858	70 54 41,0	9,42	0,343	−0,08	−9.8444	−9.1865	0.9741	9.9459	2550	352	ii.2348			
6859	173 45 15,7	9,42	1,784	−0,17	+9.9192	+9.6694	0.9742	9.9458	....	....	.....	8202	6771	
6860	51 56 36,3	9,42	0,276	+0,05	−9.9473	−9.4619	0.9742	9.9458	....	354	iii.2493			
6861	29 34 25,2	9,44	0,128	.....	−9.9920	−9.6119	0.9748	9.9457	....	....	.....	....	....	G 2992
6862	29 46 56,5	9,44	0,130	.....	−9.9919	−9.6112	0.9750	9.9456	....	....	.....	....	....	G 2993
6863	32 8 38,9	9,45	0,154	.....	−9.9903	−9.6007	0.9752	9.9456	....	....	.....	....	....	G 2991
6864	113 8 40,3	9,45	0,460	+0,06	−8.7185	+9.2678	0.9755	9.9455	....	351	ii.2349	8308		
6865	39 29 57,3	9,47	0,211	.....	−9.9806	−9.5613	0.9761	9.9453	....	....	.....	....	....	G 2990
6866	67 18 16,4	9,47	0,331	+0,02	−9.8695	−9.2606	0.9765	9.9452	2553	358	ii.2350			
6867	31 33 13,1	9,50	0,148	+0,02	−9.9902	−9.6059	0.9776	9.9449	....	371	iii.2497	....	....	B.H 468
6868	72 53 20,4	9,51	0,348	−0,06	−9.8285	−9.1448	0.9784	9.9446	2555	361	ii.2353			
6869	25 40 36,6	9,52	0,080	+0,02	−9.9918	−9.6311	0.9785	9.9446	2566	....	.....	....	....	B 43
6870	118 7 17,3	9,53	0,475	−0,05	+8.5065	+9.3500	0.9789	9.9445	2549	355	ii.2352	8315	....	M 809, J 505
6871	104 2 51,0	9,54	0,432	−0,07	−9.3170	+9.0623	0.9794	9.9443	2551	360	ii.2354	....	....	M 810
6872	128 20 57,3	9,54	0,513	+0,08	+9.3128	+9.4699	0.9794	9.9443	....	353	iii.2494	8310		
6873	156 33 18,1	9,57	0,741	+1,07	+9.8019	+9.6411	0.9807	9.9440	....	....	ii.2351	8295	6787	J 504
6874	156 46 33,8	9,57	0,745	.....	+9.8038	+9.6420	0.9809	9.9439	....	....	.....	....	6788	
6875	53 21 53,9	9,60	0,281	−0,08	−9.9406	−9.4557	0.9821	9.9435	2557	373	iii.2499			
6876	44 38 5,7	9,62	0,241	.....	−9.9682	−9.5331	0.9831	9.9433	....	....	.....	....	....	G 3001
6877	122 28 22,3	9,63	0,488	+0,09	+9.0204	+9.4114	0.9837	9.9431	....	366	ii.2355	8322	....	P 883, J 506
6878	113 0 40,3	9,63	0,457	+0,01	−8.7521	+9.2737	0.9838	9.9430	....	369	ii.2356	8325	....	M 811
6879	62 39 26,0	9,64	0,315	−0,08	−9.8967	−9.3440	0.9841	9.9429	2558	375	ii.2357			
6880	105 49 45,1	9,65	0,435	+0,11	−9.2514	+9.1181	0.9846	9.9428	....	372	iii.2500	....	....	M 812
6881	38 21 13,6	9,67	0,203	+0,05	−9.9806	−9.5775	0.9853	9.9426	....	380	iii.2501	....	....	G 3004
6882	65 36 44,2	9,68	0,324	−0,04	−9.8790	−9.2993	0.9857	9.9425	2559	....	ii.2358	....	....	P 885
6883	65 28 43,5	9,70	0,324	−0,09	−9.8797	−9.3025	0.9866	9.9422	2561	378	ii.2359			
6884	145 26 24,0	9,70	0,609	−0,21	+9.6762	+9.6004	0.9869	9.9421	....	....	v.3213	8320	6793	
6885	143 18 11,4	−9,71	−0,592	−0,16	+9.6456	+9.5892	−0.9874	−9.9420	....	....	v.3214	8321	6794	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6886	Sagittarii	6	19 55 57,89	+3,842	−0,0198	+0,013	+8.5879	−8.8443	+0.5846	−8.3288
6887*	Sagittarii	7	55 59,86	3,732	−0,0172	.....	8.5697	8.8260	0.5719	−8.2619
6888*	Sagittarii	7	56 2,75	3,672	−0,0159	.....	8.5607	8.8167	0.5650	−8.2212
6889	Sagittarii	6	56 8,19	3,537	−0,0131	+0,005	8.5420	8.7976	0.5486	−8.1105
6890	14 Sagittæ	6	56 38,31	2,744	−0,0024	+0,003	8.5280	8.7814	0.4384	+7.9580
6891	62 Aquilæ	6	56 39,47	3,094	−0,0058	+0,001	8.5118	8.7651	0.4905	−6.8042
6892	64 Sagittarii	6	56 48,34	3,319	−0,0092	+0,004	8.5219	8.7745	0.5210	−7.8404
6893	63 Aquilæ ..... τ	5½	56 48,77	2,930	−0,0039	+0,007	8.5154	8.7680	0.4669	+7.5925
6894	65 Sagittarii	6	57 5,69	3,342	−0,0095	0,000	8.5246	8.7760	0.5240	−7.8795
6895	26 Cygni ..... e	6	57 6,93	1,696	−0,0038	+0,005	8.7024	8.9537	0.2295	+8.5847
6896*	Sagittæ.....	6½	57 10,83	2,721	−0,0021	−0,001	8.5322	8.7832	0.4347	+7.9907
6897	15 Sagittæ.....	6	57 21,89	2,722	−0,0022	−0,028	8.5328	8.7829	0.4348	+7.9904
6898*	Pavonis.....	6	57 35,55	5,199	−0,0694	.....	8.8335	9.0826	0.7159	−8.7766
6899*	Sagittarii	7	58 4,25	3,747	−0,0179	.....	8.5796	8.8267	0.5736	−8.2806
6900	Octantis	6	58 13,50	9,697	−0,4516	−0,109	9.2793	9.5256	0.9866	−9.2727
6901	16 Sagittæ..... η	6	58 30,33	2,658	−0,0018	+0,004	8.5438	8.7889	0.4245	+8.0686
6902	Pavonis.....	6	58 54,98	4,925	−0,0578	+0,001	8.7946	9.0379	0.6924	−8.7228
6903	Capricorni	7	59 32,66	3,475	−0,0122	−0,005	8.5463	8.7869	0.5410	−8.0641
6904	Sagittarii	7	59 39,31	4,203	−0,0309	.....	8.6672	8.9073	0.6235	−8.5115
6905	64 Draconis ..... θ	5	59 52,41	0,653	−0,0235	−0,002	8.8869	9.1260	9.8149	+8.8421
6906*	Sagittarii	7	19 59 57,87	3,652	−0,0159	.....	8.5715	8.8103	0.5625	−8.2233
6907	Capricorni	7	20 0 1,06	3,391	−0,0107	−0,001	8.5389	8.7774	0.5303	−7.9647
6908*	Sagittarii	7	0 2,74	3,709	−0,0172	.....	8.5806	8.8190	0.5692	−8.2643
6909	Octantis	6	0 12,37	9,264	−0,4084	−0,082	9.2595	9.4972	0.9668	−9.2521
6910	64 Aquilæ	6	0 17,07	3,093	−0,0059	+0,011	8.5239	8.7612	0.4904	−6.8095
6911	Capricorni	7	0 18,95	3,285	−0,0088	−0,007	8.5312	8.7684	0.5165	−7.7916
6912	17 Vulpeculæ	5½	0 26,50	2,575	−0,0013	+0,002	8.5609	8.7975	0.4108	+8.1561
6913	65 Draconis	7	0 39,24	0,678	−0,0229	+0,001	8.8865	9.1222	9.8314	+8.8409
6914*	Sagittarii	7½	0 47,21	3,515	−0,0131	−0,003	8.5554	8.7905	0.5459	−8.1102
6915	27 Cygni ..... b^1	6	0 47,37	2,245	−0,0007	−0,019	8.6151	8.8502	0.3511	+8.3797
6916*	Sagittarii	6½	0 50,34	4,190	−0,0309	−0,006	8.6694	8.9043	0.6222	−8.5120
6917*	Pavonis	6	0 50,43	5,431	−0,0835	.....	8.8825	9.1174	0.7349	−8.8359
6918	Cygni	6	1 2,15	1,623	−0,0045	.....	8.7313	8.9653	0.2104	+8.6243
6919	Pavonis.....	6	1 3,87	5,424	−0,0834	.....	8.8823	9.1163	0.7343	−8.8355
6920*	Sagittarii	7	1 4,04	3,627	−0,0156	.....	8.5716	8.8055	0.5595	−8.2089
6921	Octantis	6	1 18,37	9,299	−0,4171	−0,127	9.2666	9.4995	0.9684	−9.2593
6922	Sagittarii	6	1 20,18	3,924	−0,0230	+0,044	8.6219	8.8546	0.5937	−8.3960
6923	Capricorni	7	1 43,40	3,486	−0,0126	−0,009	8.5550	8.7861	0.5423	−8.0852
6924	Cygni	6	1 56,67	1,368	−0,0081	.....	8.7806	9.0107	0.1362	+8.6987
6925	Sagittarii	6½	2 4,39	4,153	−0,0300	.....	8.6670	8.8965	0.6183	−8.5025
6926	67 Draconis ..... ρ	4	2 7,46	0,298	−0,0352	+0,002	8.9460	9.1753	9.4738	+8.9114
6927*	Vulpeculæ	8	2 11,33	2,612	−0,0015	−0,004	8.5620	8.7910	0.4170	+8.1303
6928	Cygni	5½	2 15,60	1,558	−0,0054	.....	8.7480	8.9767	0.1927	+8.6487
6929*	Pavonis.....	6	2 42,73	5,905	−0,1126	.....	8.9565	9.1833	0.7712	−8.9234
6930	Draconis	6	20 2 50,59	+0,769	−0,0210	.....	+8.8819	−9 1081	+9.8861	+8.8336

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6886	123 25 7,9	−9,72	−0,490	+0,02	+9.0774	+9.4264	−0.9877	−9.9419	....	374	iii.2502	8330		
6887	119 29 12,9	9,72	0,476	.....	+8.7226	+9.3777	0.9878	9.9418	....	....	.....	8333		
6888	117 14 8,2	9,73	0,468	.....	+8.1553	+9.3463	0.9880	9.9418	....	....	.....	8334		
6889	111 43 57,6	9,73	0,451	+0,05	−8.8993	+9.2546	0.9883	9.9417	....	377	iii.2504	....	....	M 813
6890	74 23 9,3	9,77	0,350	−0,04	−9.8149	−9.1178	0.9900	9.9412	2565	385	ii.2362			
6891	91 7 24,2	9,77	0,394	+0,09	−9.6199	+7.9802	0.9900	9.9411	2562	383	ii.2360			
6892	102 1 10,2	9,78	0,423	0,00	−9.3849	+9.0069	0.9905	9.9410	2560	382	ii.2361	....	....	M 814
6893	83 8 26,9	9,79	0,373	−0,06	−9.7284	−8.7655	0.9906	9.9410	2564	386	ii.2363			
6894	103 5 1,9	9,81	0,425	−0,03	−9.3526	+9.0441	0.9915	9.9407	2563	384	ii.2364	....	....	M 815
6895	40 18 41,6	9,81	0,216	+0,01	−9.9759	−9.5716	0.9916	9.9406	2570	397	iii.2506			
6896	73 17 57,5	9,81	0,346	+0,19	−9.8237	−9.1480	0.9918	9.9406	2567	392	iv.1485			
6897	73 19 54,8	9,83	0,346	+0,32	−9.8233	−9.1478	0.9924	9.9404	2568	393	ii.2365			
6898	151 18 11,5	9,84	0,661	.....	+9.7449	+9.6341	0.9932	9.9401	....	....	.....	8324		
6899	120 9 14,0	9,88	0,476	.....	+8.7917	+9.3936	0.9948	9.9396	....	....	.....	8346		
6900	170 2 40,5	9,89	1,230	−0,28	+9.8931	+9.6865	0.9953	9.9395	....	....	.....	8281	6796	
6901	70 26 8,8	9,91	0,337	−0,10	−9.8451	−9.2189	0.9963	9.9392	2569	400	ii.2366			
6902	147 57 20,0	9,95	0,624	−0,07	+9.7048	+9.6236	0.9976	9.9387	....	....	v.3216	8337	6803	
6903	109 14 3,1	9,99	0,439	+0,09	−9.0938	+9.2152	0.9997	9.9380	....	402	iii.2508	....	....	M 816
6904	134 19 34,3	10,00	0,531	.....	+9.4703	+9.5422	1.0001	9.9379	....	....	.....	....	....	R 509
6905	25 35 54,4	10,02	0,083	+0,02	−9.9862	−9.6537	1.0008	9.9377	2578	421	iii.2510			
6906	116 38 51,9	10,03	0,461	.....	+6.7782	+9.3506	1.0011	9.9376	....	....	.....	8359		
6907	105 27 30,8	10,03	0,428	+0,27	−9.2730	+9.1248	1.0013	9.9375	....	404	iii.2509	....	....	M 817
6908	118 51 37,2	10,03	0,468	.....	+8.5786	+9.3828	1.0013	9.9375	....	....	.....	8358		
6909	169 24 58,4	10,04	1,170	+0,61	+9.8871	+9.6922	1.0019	9.9373	....	....	.....	8301	6802	
6910	91 6 21,5	10,05	0,390	+0,07	−9.6203	+7.9856	1.0021	9.9372	2571	408	ii.2369			
6911	100 29 36,5	10,05	0,415	+0,12	−9.4299	+8.9604	1.0022	9.9372	....	406	ii.2368	....	....	M 818
6912	66 48 52,3	10,06	0,325	−0,02	−9.8689	−9.2956	1.0026	9.9371	2572	412	ii.2370			
6913	25 47 22,7	10,08	0,086	+0,08	−9.9856	−9.6555	1.0033	9.9368	2580	3	iii.2517			
6914	111 1 29,5	10,09	0,443	+0,28	−8.9777	+9.2564	1.0038	9.9367	....	410	iii.2512	....	....	M 819
6915	54 26 18,0	10,09	0,283	+0,41	−9.9323	−9.4662	1.0038	9.9367	2573	418	iii.2514			
6916	134 6 1,0	10,09	0,528	+0,29	+9.4621	+9.5443	1.0039	9.9366	....	405	iii.2511	8357	6811	R 510
6917	153 55 11,1	10,09	0,685	.....	+9.7675	+9.6551	1.0039	9.9366	....	....	.....	8345		
6918	38 35 24,0	10,11	0,205	.....	−9.9758	−9.5954	1.0046	9.9364	....	....	.....	....	....	G 3036
6919	153 51 34,2	10,11	0,683	.....	+9.7666	+9.6556	1.0047	9.9364	....	....	.....	....	6809	
6920	115 42 33,4	10,11	0,457	.....	−8.2122	+9.3398	1.0047	9.9364	....	....	.....	8364		
6921	169 30 11,5	10,13	1,171	−0,31	+9.8863	+9.6959	1.0055	9.9361	....	....	.....	8306	6804	
6922	126 28 26,2	10,13	0,494	+1,68	+9.2151	+9.4775	1.0056	9.9361	....	411	iii.2515	8362		
6923	109 48 58,6	10,16	0,438	+0,20	−9.0645	+9.2348	1.0068	9.9356	....	417	iii.2519	....	....	M 820
6924	34 5 31,0	10,17	0,172	.....	−9.9808	−9.6234	1.0075	9.9354	....	....	.....	....	....	G 3041
6925	133 12 53,0	10,18	0,522	.....	+9.4371	+9.5412	1.0079	9.9352	....	416	iii.2520	8366	....	R 511
6926	22 33 14,5	10,19	0,037	−0,04	−9.9831	−9.6713	1.0081	9.9352	2587	21	ii.2371			
6927	68 16 39,4	10,19	0,328	.....	−9.8584	−9.2744	1.0083	9.9351	2574	....	.....	....	....	B 44
6928	37 16 44,2	10,20	0,196	.....	−9.9768	−9.6071	1.0085	9.9350	....	....	.....	....	....	G 3042
6929	157 54 54,8	10,23	0,741	.....	+9.8020	+9.6747	1.0100	9.9345	....	....	.....	8353		
6930	26 32 30,4	−10,24	−0,097	.....	−9.9837	−9.6598	−1.0104	−9.9344	....	....	.....	....	....	G 3051

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6931	Pavonis.....	6	20 2 55,39	+4,590	−0,0458	−0,004	+8.7517	−8.9776	+0.6618	−8.6534
6932	66 Draconis	5	3 9,13	0,950	−0,0165	+0,014	8.8553	9.0801	9.9776	+8.7994
6933	17 Sagittæ..... θ	6½	3 19,68	2,642	−0,0016	+0,008	8.5620	8.7861	0.4219	+8.1057
6934	65 Aquilæ ..... θ	3½	3 33,93	3,096	−0,0060	+0,007	8.5345	8.7576	0.4908	−6.8775
6935	1 Capricorni .... ξ^1	6	3 39,00	+3,332	−0,0098	+0,001	8.5456	8.7684	+0.5227	−7.8922
6936	69 Draconis	6	3 44,42	−1,550	−0,1300	−0,013	9.1531	9.3755	−0.1903	+9.1401
6937	28 Cygni ..... b^2	5	3 51,61	+2,225	−0,0007	+0,003	8.6296	8.8514	+0.3474	+8.4030
6938	2 Capricorni .... ξ^2	6	4 4,29	3,336	−0,0099	+0,016	8.5473	8.7683	0.5233	−7.9011
6939*	Draconis	6½	4 13,30	0,292	−0,0359	.....	8.9554	9.1756	9.4660	+8.9213
6940	18 Vulpeculæ	6	4 17,93	2,501	−0,0010	+0,003	8.5848	8.8047	0.3980	+8.2337
6941*	Sagittæ.....	7	4 26,93	2,638	−0,0016	−0,001	8.5661	8.7854	0.4213	+8.1144
6942	66 Aquilæ	6½	5 29,41	3,100	−0,0062	+0,009	8.5406	8.7554	0.4913	−6.9452
6943	19 Vulpeculæ	6	5 31,83	2,505	−0,0009	+0,003	8.5882	8.8029	0.3988	+8.2357
6944	20 Vulpeculæ	6	5 43,37	2,513	−0,0010	+0,002	8.5876	8.8015	0.4002	+8.2300
6945	Pavonis.....	6	5 44,07	5,377	−0,0845	−0,061	8.8945	9.1083	0.7306	−8.8470
6946*	Pavonis.....	6	5 46,47	5,249	−0,0777	.....	8.8748	9.0885	0.7200	−8.8222
6947	Sagittarii	6	5 55,42	3,664	−0,0171	+0,093	8.5937	8.8067	0.5639	−8.2578
6948*	Sagittarii	7	6 31,37	3,740	−0,0190	.....	8.6081	8.8186	0.5729	−8.3130
6949	Capricorni	7½	6 33,99	3,299	−0,0094	−0,004	8.5523	8.7626	0.5184	−7.8460
6950	Pavonis.....	6	7 5,46	5,852	−0,1140	−0,046	8.9675	9.1755	0.7673	−8.9339
6951*	Pavonis.....	6	7 18,88	5,775	−0,1093	−0,004	8.9580	9.1652	0.7616	−8.9228
6952	67 Aquilæ ..... ϱ	5	7 20,25	2,772	−0,0025	+0,007	8.5607	8.7677	0.4428	+7.9663
6953	Capricorni	7	7 32,09	3,412	−0,0117	+0,014	8.5655	8.7717	0.5330	−8.0252
6954	Sagittarii	7	7 57,33	4,140	−0,0311	−0,002	8.6861	8.8905	0.6170	−8.5224
6955*	Octantis	6	7 57,61	10,623	−0,6293	.....	9.3763	9.5807	1.0262	−9.3715
6956	3 Capricorni	6½	8 4,37	3,328	−0,0100	+0,004	8.5593	8.7632	0.5222	−7.9044
6957*	21 Vulpeculæ	5½	8 4,95	2,462	−0,0007	+0,004	8.6034	8.8073	0.3912	+8.2785
6958	Indi	6½	8 9,91	4,337	−0,0381	+0,023	8.7245	8.9281	0.6372	−8.5968
6959	Cygni	5	8 21,19	1,671	−0,0041	.....	8.7505	8.9532	0.2230	+8.6410
6960	Sagittarii	6	8 29,52	4,203	−0,0334	+0,010	8.7000	8.9022	0.6235	−8.5494
6961	Indi	6	8 29,64	4,330	−0,0380	+0,027	8.7244	8.9265	0.6365	−8.5957
6962*	30 Cygni ..... o^1	5½	8 35,23	1,883	−0,0021	+0,006	8.7110	8.9128	0.2749	+8.5706
6963	Cygni	6	8 39,79	2,018	−0,0012	.....	8.6855	8.8869	0.3049	+8.5187
6964	Pavonis.....	6½	8 50,56	4,717	−0,0539	−0,018	8.7977	8.9983	0.6737	−8.7137
6965	31 Cygni ..... o^2	4	8 54,56	1,888	−0,0021	+0,002	8.7114	8.9118	0.2759	+8.5704
6966*	Vulpeculæ	5	8 54,68	2,540	−0,0010	.....	8.5941	8.7945	0.4048	+8.2223
6967	29 Cygni ..... b^3	5½	8 55,05	2,238	−0,0005	+0,006	8.6449	8.8452	0.3499	+8.4177
6968	22 Vulpeculæ	5½	9 1,61	2,589	−0,0012	0,000	8.5874	8.7873	0.4132	+8.1802
6969*	Cygni	7½	9 3,07	2,240	−0,0005	+0,001	8.6450	8.8448	0.3503	+8.4173
6970	68 Draconis	6	9 7,27	0,978	−0,0166	+0,021	8.8746	9.0741	9.9903	+8.8190
6971	4 Capricorni	6	9 12,34	3,533	−0,0144	+0,006	8.5854	8.7846	0.5482	−8.1640
6972	5 Capricorni .... α^1	4	9 19,84	3,331	−0,0102	+0,003	8.5634	8.7620	0.5225	−7.9144
6973	23 Vulpeculæ	4½	9 33,36	2,486	−0,0008	−0,001	8.6043	8.8020	0.3956	+8.2666
6974	6 Capricorni .... α^2	3	9 43,64	3,331	−0,0102	+0,008	8.5646	8.7616	0.5226	−7.9169
6975	18 Sagittæ.....	6	20 9 44,37	+2,634	−0,0015	+0,002	+8.5836	−8.7805	+0.4207	+8.1407

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
6931	142 53 13,1	−10,25	−0,575	−0,16	+9.6271	+9.6101	−1.0107	−9.9343	....	....	v.3217	8367	6814	R 512
6932	28 26 20,4	10,27	0,119	−0,05	−9.9832	−9.6533	1.0114	9.9340	2586	25	ii.2374			
6933	69 31 41,6	10,28	0,331	−0,09	−9.8494	−9.2535	1.0119	9.9338	2579	14	iii.2523			
6934	91 15 43,9	10,30	0,388	−0,02	−9.6181	+8.0535	1.0127	9.9336	2576	10	ii.2372	....	....	J 507
6935	102 49 57,7	10,30	−0,417	0,00	−9.3664	+9.0573	1.0130	9.9335	2575	7	ii.2373	....	....	M 821
6936	13 56 20,7	10,31	+0,194	+0,08	−9.9717	−9.6980	1.0132	9.9334	2604	47	iii.2526			
6937	53 35 53,4	10,32	−0,278	−0,11	−9.9336	−9.4848	1.0136	9.9332	2582	22	ii.2376			
6938	103 3 5,7	10,33	0,417	+0,15	−9.3604	+9.0658	1.0143	9.9330	2577	16	ii.2375	....	....	M 822
6939	22 24 19,3	10,35	0,037	+0,07	−9.9811	−9.6785	1.0148	9.9328	2592	....	.....	....	....	G 3059
6940	63 32 9,6	10,35	0,312	−0,09	−9.8866	−9.3618	1.0150	9.9327	2583	24	ii.2377			
6941	69 18 20,5	10,36	0,329	−0,17	−9.8504	−9.2615	1.0155	9.9326	2581	....	.....	....	....	L 93
6942	91 27 17,3	10,44	0,386	+0,01	−9.6150	+8.1211	1.0187	9.9314	2584	31	iii.2529			
6943	63 38 2,2	10,44	0,312	−0,05	−9.8853	−9.3641	1.0189	9.9313	2585	34	ii.2379			
6944	63 57 55,1	10,46	0,313	−0,02	−9.8833	−9.3596	1.0195	9.9311	2588	37	ii.2380			
6945	153 41 10,8	10,46	0,669	+0,37	+9.7577	+9.6698	1.0195	9.9311	....	....	.....	8368	6819	
6946	152 21 27,4	10,46	0,653	.....	+9.7439	+9.6648	1.0196	9.9310	....	....	.....	8370		
6947	117 28 28,8	10,47	0,456	+0,16	+7.9294	+9.3819	1.0201	9.9309	....	29	ii.2378	8381		
6948	120 27 28,3	10,52	0,464	.....	+8.7597	+9.4246	1.0219	9.9302	....	....	.....	8386		
6949	101 20 29,1	10,52	0,410	+0,08	−9.4118	+9.0135	1.0221	9.9301	....	40	iii.2531			
6950	157 46 9,5	10,56	0,726	−1,01	+9.7944	+9.6879	1.0237	9.9295	....	....	.....	8371	6822	
6951	157 12 58,5	10,58	0,716	+0,43	+9.7890	+9.6868	1.0243	9.9292	....	....	.....	8374	6823	R 513
6952	75 15 21,9	10,58	0,343	−0,08	−9.8034	−9.1279	1.0244	9.9292	2590	48	ii.2381			
6953	106 44 52,8	10,59	0,423	+0,11	−9.2327	+9.1824	1.0250	9.9290	....	45	iv.1525			
6954	133 18 50,7	10,62	0,512	+0,11	+9.4249	+9.5604	1.0263	9.9285	....	....	.....	8391	....	R 514
6955	171 27 39,9	10,63	1,314	.....	+9.8889	+9.7193	1.0263	9.9285	....	....	.....	8331		
6956	102 47 27,8	10,63	0,412	−0,06	−9.3720	+9.0696	1.0267	9.9283	2589	49	ii.2382	....	....	M 823
6957	61 45 23,7	10,63	0,304	+0,08	−9.8940	−9.3995	1.0267	9.9283	2594	52	ii.2383			
6958	138 10 11,4	10,64	0,536	+0,07	+9.5343	+9.5969	1.0269	9.9282	....	....	v.3219	8388	6825	
6959	38 59 10,0	10,65	0,207	.....	−9.9692	−9.6159	1.0275	9.9280	....	....	.....	....	....	G 3087
6960	134 59 20,9	10,66	0,519	+0,56	+9.4651	+9.5751	1.0279	9.9278	....	....	.....	8395	....	R 515
6961	138 1 58,0	10,66	0,535	+0,14	+9.5308	+9.5970	1.0279	9.9278	....	....	.....	8393	6828	
6962	43 38 8,1	10,67	0,233	−0,01	−9.9601	−9.5856	1.0282	9.9277	2601	59	iii.2533			
6963	47 4 24,8	10,68	0,249	.....	−9.9515	−9.5594	1.0284	9.9276	....	....	.....	....	....	G 3088
6964	145 30 39,9	10,69	0,582	−0,28	+9.6549	+9.6428	1.0290	9.9274	....	....	v.3222	8389	6829	
6965	43 42 39,8	10,70	0,233	−0,05	−9.9597	−9.5860	1.0292	9.9273	2603	62	ii.2387			
6966	64 51 43,2	10,70	0,313	.....	−9.8764	−9.3552	1.0292	9.9273	....	....	.....	....	....	B.H 1548
6967	53 39 1,7	10,70	0,276	−0,12	−9.9299	−9.4998	1.0292	9.9273	2598	60	iii.2534			
6968	66 56 45,6	10,70	0,319	−0,02	−9.8636	−9.3202	1.0295	9.9272	2596	57	ii.2385			
6969	53 42 5,1	10,71	0,276	−0,09	−9.9296	−9.4997	1.0296	9.9272	2599	61	iv.1530			
6970	28 22 28,6	10,71	0,121	−0,06	−9.9778	−9.6720	1.0298	9.9271	2610	71	iii.2535			
6971	112 16 6,9	10,72	0,436	+0,05	−8.9101	+9.3064	1.0301	9.9270	2591	53	ii.2384			
6972	102 58 2,7	10,73	0,410	−0,02	−9.3679	+9.0792	1.0304	9.9268	2593	54	ii.2386	....	....	M824, J508
6973	62 38 32,4	10,74	0,306	−0,06	−9.8885	−9.3912	1.0311	9.9266	2602	64	ii.2389			
6974	103 0 21,2	10,76	0,410	−0,03	−9.3672	+9.0817	1.0316	9.9264	2595	58	ii.2388	....	....	M825, J509
6975	68 51 27,6	−10,76	−0,324	0,00	−9.8508	−9.2866	−1.0317	−9.9263	2600	65	ii.2390			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
6976*	33 Cygni	4½	20 9 54,47	+1,392	−0,0081	+0,009	+8.8075	−9.0037	+0.1435	+8.7267
6977*	Sagittarii	7	10 7,15	3,724	−0,0192	.....	8.6174	8.8127	0.5710	−8.3176
6978*	Vulpeculæ.....	7	10 13,56	2,489	−0,0008	−0,001	8.6062	8.8010	0.3959	+8.2679
6979	24 Vulpeculæ.....	5	10 22,11	2,564	−0,0011	+0,005	8.5952	8.7895	0.4089	+8.2081
6980*	Draconis	6	10 42,41	1,107	−0,0138	+0,029	8.8597	9.0525	0.c442	+8.7980
6981	7 Capricorni ....σ	5½	10 44,17	3,471	−0,0132	+0,006	8.5822	8.7749	0.5404	−8.1074
6982*	Capricorni	7	10 47,59	3,612	−0,0164	.....	8.6017	8.7942	0.5577	−8.2385
6983	32 Cygni	4½	10 50,05	1,853	−0,0023	+0,001	8.7249	8.9172	0.2680	+8.5908
6984*	Sagittarii	7	11 7,11	3,711	−0,0189	.....	8.6186	8.8c97	0.5695	−8.3134
6985	Cygni	6	11 21,29	1,743	−0,0033	.....	8.7480	8.9382	0.2412	+8.6308
6986*	Cygni	5½	11 35,24	2,132	−0,0007	+0,015	8.6739	8.8631	0.3288	+8.4811
6987	Capricorni	7	11 47,53	3,482	−0,0134	+0,008	8.5867	8.7751	0.5418	−8.1231
6988	Aquilæ	8	12 9,21	3,092	−0,0062	.....	8.5606	8.7474	0.4903	−6.8488
6989	Sagittarii	6	12 15,25	4,098	−0,0308	+0,001	8.6933	8.8797	0.6126	−8.5231
6990	34 Cygni	5½	12 15,53	2,209	−0,0005	+0,001	8.6617	8.8481	0.3441	+8.4468
6991	8 Capricorni .... ν	5	12 20,49	3,334	−0,0105	+0,003	8.5727	8.7588	0.5230	−7.9322
6992*	Capricorni	6½	12 20,61	3,376	−0,0113	+0,003	8.5766	8.7627	0.5284	−7.9967
6993	Octantis	5½	12 21,02	10,831	−0,689ᶠ	−0,165	9.4061	9.5921	1.0347	−9.4016
6994	Draconis	7	12 21,63	0,743	−0,0234	−0,013	8.9240	9.1100	9.8708	+8.8788
6995	9 Capricorni ....β	3½	12 34,78	3,376	−0,0113	+0,004	8.5773	8.7624	0.5284	−7.9973
6996	Cygni	5½	12 48,19	2,123	−0,0006	+0,004	8.6798	8.8640	0.3269	+8.4903
6997	36 Cygni	5½	12 51,51	2,242	−0,0004	+0,009	8.6575	8.8415	0.3506	+8.4323
6998	35 Cygni	5½	12 53,44	+2,301	−0,0004	+0,003	8.6467	8.8305	+0.3620	+8.4000
6999*	Ursæ Minoris .λ	5	13 1,03	−53,142	−29,3200	−0,042	0.2644	0.4477	−1.7254	+0.2643
7000	Cephei	7½	13 6,85	−1,920	−0,1705	+0,109	9.2237	9.4066	−0.2833	+9.2131
7001	Cygni	6	13 30,00	+2,181	−0,0005	.....	8.6710	8.8523	+0.3387	+8.4655
7002	Sagittarii	6	13 40,69	4,108	−0,0315	+0,003	8.7000	8.8806	0.6136	−8.5330
7003	Sagittarii	6	13 41,63	4,079	−0,0306	.....	8.6946	8.8750	0.6106	−8.5209
7004	Pavonis .....α	2	13 45,03	+4,802	−0,0603	+0,005	8.8314	9.0117	+0.6815	−8.7561
7005*	1 Cephei .....ϰ	4½	13 50,60	−1,862	−0,1670	0,000	9.2218	9.4017	−0.2699	+9.2110
7006*	Cygni	7	14 9,93	+2,241	−0,0003	−0,015	8.6620	8.8406	+0.3505	+8.4381
7007*	Cygni	•	14 12,60	1,788	−0,0029	+0,006	8.7497	8.9281	0.2523	+8.6277
7008	Cygni	6	14 48,83	2,172	−0,0004	.....	8.6772	8.8531	0.3369	+8.4754
7009	Capricorni	7½	15 3,08	3,363	−0,0112	+0,013	8.5833	8.7582	0.5267	−7.9887
7010	Pavonis.....	6	15 21,71	6,050	−0,1372	−0,033	9.0265	9.2001	0.7817	−8.9982
7011*	Capricorni	7	15 29,26	3,700	−0,0193	.....	8.6305	8.8036	0.5682	−8.3235
7012*	Capricorni	7	15 35,39	3,619	−0,0172	.....	8.6178	8.7905	0.5586	−8.2643
7013	25 Vulpeculæ.....	6	15 36,57	2,577	−0,0010	+0,002	8.6095	8.7822	0.4111	+8.2184
7014*	Aquilæ	6	15 44,86	2,976	−0,0047	.....	8.5723	8.7444	0.4737	+7.5010
7015	Sagittarii	6½	15 45,87	4,044	−0,0300	−0,018	8.6948	8.8668	0.6068	−8.5142
7016	Capricorni	7½	15 51,67	3,359	−0,0112	0,000	8.5853	8.7569	0.5263	−7.9867
7017	Draconis	6	15 57,71	0,537	−0,0308	.....	8.9684	9.1396	9.7301	+8.9303
7018*	Capricorni	6½	16 14,78	3,688	−0,0191	.....	8.6309	8.8009	0.5668	−8.3184
7019*	Capricorni	7	16 24,60	+3,472	−0,0137	+0,001	8.5994	8.7688	0.5405	−8.1317
7020*	Octantis	6½	20 16 32,77	+133,427	−169,5370	.....	+0.6441	−0.8129	+2.1252	−0.6441

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″.	″	″										
6976	33 53 24,2	−10,77	−0,171	−0,04	−9.9742	−9.6491	−1.0322	−9.9261	2611	74	ii.2391			
6977	120 5 35,8	10,78	0,458	.....	+8.6749	+9.4308	1.0328	9.9259	....	....	.....	8401		
6978	62 40 56,4	10,79	0,306	−0,03	−9.8878	−9.3926	1.0331	9.9258	2605	69	iii.2536			
6979	65 47 14,0	10,80	0,315	−0,02	−9.8700	−9.3442	1.0335	9.9256	2606	70	ii.2392			
6980	29 49 5,5	10,83	0,136	−0,01	−9.9759	−9.6706	1.0345	9.9252	2615	82	iv.1534	....	....	G 3111
6981	109 34 55,6	10,83	0,426	−0,03	−9.1031	+9.2577	1.0346	9.9251	2597	67	ii.2393	....	....	M 826
6982	115 40 55,1	10,83	0,443	.....	−8.4216	+9.3694	1.0348	9.9251	....	....	.....	8407		
6983	42 44 38,3	10,84	0,227	−0,03	−9.9602	−9.5986	1.0349	9.9250	2612	78	ii.2394			
6984	119 41 12,8	10,86	0,455	.....	+8.5955	+9.4284	1.0358	9.9247	....	....	.....	8409		
6985	40 13 39,4	10,88	0,214	.....	−9.9646	−9.6170	1.0364	9.9244	....	....	.....	....	....	G 3114
6986	50 5 49,1	10,89	0,261	.....	−9.9403	−9.5421	1.0371	9.9241	2613	....	.....	....	....	G 3113
6987	110 6 45,7	10,91	0,426	+0,14	−9.0752	+9.2719	1.0377	9.9239	....	76	iii.2538			
6988	91 6 45,9	10,93	0,378	.....	−9.6208	+8.0248	1.0388	9.9234	....	....	.....	....	....	A 465
6989	132 31 1,1	10,94	0,501	+0,18	+9.3918	+9.5667	1.0391	9.9233	....	75	iii.2539	8415		
6990	52 25 49,7	10,94	0,270	−0,03	−9.9320	−9.5220	1.0391	9.9233	2614	89	iii.2541			
6991	103 13 36,7	10,95	0,407	+0,01	−9.3631	+9.0966	1.0393	9.9232	2608	81	ii.2396	....	6844	M828, J510
6992	105 15 10,7	10,95	0,413	+0,01	−9.2973	+9.1572	1.0393	9.9232	2607	79	ii.2395	....	....	B.F 2762
6993	171 47 9,9	10,95	1,323	+0,48	+9.8849	+9.7327	1.0394	9.9232	....	....	.....	8360	6834	
6994	25 41 46,9	10,95	0,091	+0,04	+9.9746	−9.6919	1.0394	9.9232	2620	99	iii.2542			
6995	105 15 3,3	10,97	0,412	−0,04	−9.2978	+9.1578	1.0400	9.9229	2609	83	ii.2397	....	....	M829, J511
6996	49 43 58,9	10,98	0,259	−0,03	−9.9405	−9.5489	1.0407	9.9226	2618	....	.....	....	....	G 3125
6997	53 28 0,7	10,99	0,274	−0,05	−9.9277	−9.5133	1.0408	9.9225	2617	93	iii.2543			
6998	55 29 1,9	10,99	−0,281	−0,02	−9.9199	−9.4920	1.0409	9.9225	2616	92	iii.2544			
6999	1 8 21,9	11,00	+6,481	−0,02	−9.9267	−9.7390	1.0413	9.9223	2795	424	iii.2575	....	....	B.H 492
7000	12 37 27,6	11,00	+0,234	+0,02	−9.9593	−9.7287	1.0416	9.9222	....	119	iii.2546	....	....	B.F 2790
7001	51 27 48,1	11,03	−0,266	.....	−9.9344	−9.5350	1.0427	9.9217	....	....	.....	....	....	G 3132
7002	132 53 54,8	11,05	0,500	+0,04	+9.3985	+9.5739	1.0432	9.9215	....	87	iii.2545	8417		
7003	132 6 13,5	11,05	0,497	.....	+9.3759	+9.5674	1.0432	9.9215	....	....	.....	8419	6848	
7004	147 12 35,3	11,05	−0,585	+0,03	+9.6689	+9.6658	1.0434	9.9214	....	....	ii.2398	8416	6846	J512, R516
7005	12 44 33,8	11,06	+0,227	−0,01	−9.9588	−9.7306	1.0437	9.9213	2632	126	ii.2399			
7006	53 20 14,8	11,08	−0,272	.....	−9.9273	−9.5184	1.0446	9.9209	2619	....	.....	....	....	L 16
7007	40 58 11,7	11,08	0,217	.....	−9.9608	−9.6205	1.0447	9.9208	2621	....	.....	....	....	B 45
7008	51 4 3,2	11,13	0,264	.....	−9.9347	−9.5425	1.0464	9.9201	....	....	.....	....	....	G 3140
7009	104 44 4,7	11,15	0,408	+0,12	−9.3187	+9.1503	1.0471	9.9198	....	102	iii.2547	....	....	M 830
7010	159 33 19,6	11,17	0,733	+0,04	+9.7971	+9.7175	1.0480	9.9194	....	....	.....	8412	6849	
7011	119 32 47,5	11,18	0,448	.....	+8.5038	+9.4391	1.0483	9.9192	....	....	.....	8427		
7012	116 18 11,3	11,19	0,438	.....	−8.3263	+9.3929	1.0486	9.9191	....	....	.....	8430		
7013	66 1 43,7	11,19	0,312	−0,04	−9.8655	−9.3553	1.0487	9.9191	2622	108	ii.2400			
7014	85 7 57,3	11,20	0,360	.....	−9.7014	−8.6755	1.0491	9.9189	....	....	.....	....	....	B.H 133
7015	131 16 25,3	11,20	0,489	+0,07	+9.3446	+9.5662	1.0491	9.9189	....	....	v.3228	8426	6851	
7016	104 35 35,7	11,20	0,406	+0,09	−9.3243	+9.1485	1.0494	9.9188	....	107	iii.2549	....	....	M 831
7017	23 37 53,6	11,21	0,065	.....	−9.9702	−9.7094	1.0497	9.9186	....	....	.....	....	....	G 3150
7018	119 8 25,4	11,23	0,446	.....	+8.3874	+9.4357	1.0505	9.9183	....	....	.....	8433		
7019	109 55 3,3	11,24	0,419	+0,18	−9.1000	+9.2810	1.0509	9.9181	....	109	iii.2550	....	....	M 833
7020	179 30 49,4	−11,25	−16,106	.....	+9.9159	+9.7491	−1.0513	−9.9179	....	....	.....	....	6644	J 496

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7021*	Capricorni	7	20 16 45,41	+3,635	−0,0177	.....	+8.6239	−8.7918	+0.5605	−8.2815
7022	37 Cygni .....γ	3	16 50,80	2,150	−0,0004	+0,003	8.6882	8.8558	0.3325	+8.4943
7023	Capricorni	7½	16 52,65	3,309	−0,0102	−0,003	8.5838	8.7513	0.5198	−7.9083
7024	71 Draconis	6½	17 5,95	1,012	−0,0168	−0,001	8.8998	9.0664	0.0050	+8.8449
7025	Sagittarii	6	17 9,15	3,930	−0,0264	−0,028	8.6775	8.8438	0.5944	−8.4657
7026*	Capricorni	7	17 19,94	3,697	−0,0195	.....	8.6357	8.8013	0.5678	−8.3287
7027	Cygni	5	17 25,78	2,126	−0,0005	.....	8.6947	8.8599	0.3276	+8.5077
7028	Pavonis.....	6½	17 34,08	4,926	−0,0687	−0,058	8.8674	9.0320	0.6925	−8.8016
7029	39 Cygni	5	17 52,25	2,390	−0,0003	+0,005	8.6469	8.8103	0.3783	+8.3676
7030*	Capricorni	7	18 17,12	3,688	−0,0194	.....	8.6373	8.7990	0.5668	−8.3269
7031	10 Capricorni ....π	5	18 43,85	3,443	−0,0132	+0,003	8.6026	8.7625	0.5369	−8.1086
7032*	Capricorni	7	18 45,03	3,674	−0,0190	.....	8.6362	8.7960	0.5651	−8.3183
7033*	Capricorni	7	18 52,35	3,701	−0,0199	.....	8.6413	8.8006	0.5684	−8.3384
7034*	Capricorni	7	19 1,13	3,609	−0,0173	.....	8.6265	8.7852	0.5573	−8.2697
7035	Cygni	6	19 8,23	1,549	−0,0059	.....	8.8129	8.9712	0.1899	+8.7219
7036	Sagittarii	6	19 8,49	3,871	−0,0249	−0,001	8.6727	8.8309	0.5878	−8.4428
7037*	Draconis	6	19 23,81	0,300	−0,0408	.....	9.0149	9.1721	9.4764	+8.9832
7038	Pavonis.....	6	19 32,39	6,387	−0,1693	+0,116	9.0843	9.2410	0.8053	−9.0618
7039*	Capricorni	7	19 34,89	3,574	−0,0165	.....	8.6228	8.7793	0.5531	−8.2429
7040*	Capricorni	7	19 50,66	3,569	−0,0165	.....	8.6230	8.7784	0.5526	−8.2402
7041	Cygni	6	20 12,20	2,081	−0,0006	.....	8.7128	8.8667	0.3183	+8.5393
7042	11 Capricorni ....ρ	5	20 18,03	3,433	−0,0131	0,000	8.6059	8.7594	0.5356	−8.1029
7043	Capricorni	6½	20 26,24	3,424	−0,0130	−0,003	8.6053	8.7583	0.5346	−8.0935
7044*	Capricorni	7	20 26,51	3,434	−0,0132	+0,005	8.6064	8.7594	0.5358	−8.1048
7045	Pavonis.....	6	20 33,50	6,391	−0,1712	+0,071	9.0888	9.2413	0.8056	−9.0665
7046	68 Aquilæ	6	20 33,58	+3,144	−0,0073	+0,007	8.5850	8.7375	+0.4975	−7.4118
7047	Ursæ Minoris	6	20 38,95	−7,730	−1,0313	.....	9.5813	9.7334	−0.8882	+9.5791
7048	Cygni	6	20 39,65	+2,156	−0,0003	.....	8.6995	8.8516	+0.3337	+8.5068
7049	Capricorni	6	20 42,83	3,532	−0,0156	−0,001	8.6200	8.7719	0.5480	−8.2098
7050	Pavonis.....	6	20 54,85	6,090	−0,1473	+0,022	9.0532	9.2043	0.7846	−9.0265
7051*	72 Draconis	7	20 56,85	1,035	−0,0166	−0,002	8.9104	9.0614	0.0150	+8.8555
7052	Pavonis	6	21 0,45	6,348	−0,1682	−0,102	9.0854	9.2361	0.8026	−9.0625
7053*	Capricorni	7	21 16,38	3,448	−0,0136	+0,004	8.6105	8.7601	0.5376	−8.1248
7054	12 Capricorni .... o	6	21 17,67	3,448	−0,0136	+0,002	8.6105	8.7601	0.5375	−8.1248
7055	Cygni	6	21 38,83	1,560	−0,0057	.....	8.8197	8.9679	0.1932	+8.7288
7056*	Pavonis.....	6	21 40,03	5,287	−0,0921	−0,030	8.9423	9.0904	0.7232	−8.8953
7057*	Capricorni	6½	21 44,25	3,689	−0,0199	.....	8.6479	8.7957	0.5670	−8.3416
7058	69 Aquilæ	5	21 48,62	3,135	−0,0072	+0,010	8.5881	8.7356	0.4962	−7.3587
7059	Pavonis.....	6	21 56,44	6,055	−0,1460	+0,006	9.0528	9.1998	0.7821	−9.0257
7060	Cephei	6	21 58,02	1,251	−0,0115	.....	8.8773	9.0242	0.0972	+8.8109
7061	40 Cygni	6	22 0,76	2,222	−0,0001	−0,001	8.6911	8.8378	0.3467	+8.4799
7062	43 Cygni .....ω^1	5½	22 27,21	1,825	−0,0024	+0,008	8.7712	8.9161	0.2613	+8.6482
7063*	Capricorni	6	22 42	3,373	−0,0119	.....	8.6059	8.7498	0.5280	−8.0342
7064	Cephei	6	22 45,73	1,452	−0,0075	.....	8.8440	8.9876	0.1619	+8.7633
7065	1 Delphini	6	20 23 7,14	+2,872	−0,0034	+0,004	+8.5980	−8.7403	+0.4581	+7.8544

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7021	117 2 24,8	−11,27	−0,439	.....	−8.0170	+9.4073	−1.0519	−9.9176	....	....	.....	8440		
7022	50 13 15,7	11,28	0,259	−0,02	−9.9358	−9.5560	1.0522	9.9175	2624	124	ii.2401			
7023	102 11 12,7	11,28	0,399	+0,02	−9.3972	+9.0745	1.0522	9.9175	....	114	iii.2551	....	....	M 832
7024	28 13 3,5	11,29	0,122	−0,02	−9.9700	−9.6957	1.0529	9.9172	2628	135	iii.2553			
7025	127 53 0,3	11,30	0,474	+0,18	+9.2170	+9.5390	1.0530	9.9171	....	111	iii.2552	8438		
7026	119 33 0,0	11,31	0,445	.....	+8.4742	+9.4443	1.0535	9.9169	....	....	.....	8442		
7027	49 27 4,6	11,32	0,256	.....	−9.9377	−9.5645	1.0538	9.9167	....	....	.....	....	....	G 3154
7028	149 15 53,3	11,33	0,593	+0,64	+9.6880	+9.6862	1.0542	9.9166	....	....	v.3229	8428	6855	
7029	58 17 26,5	11,35	0,287	−0,05	−9.9045	−9.4734	1.0550	9.9162	2625	132	ii.2402			
7030	119 17 50,5	11,38	0,443	.....	+8.3874	+9.4435	1.0561	9.9156	....	....	.....	8447		
7031	108 41 55,2	11,41	0,413	−0,05	−9.1688	+9.2611	1.0574	9.9150	2623	131	ii.2403	....	....	M834, J513
7032	118 44 48,0	11,41	0,441	.....	+8.1761	+9.4373	1.0574	9.9150	....	....	.....	8451		
7033	119 51 26,3	11,42	0,444	.....	+8.5159	+9.4526	1.0577	9.9149	....	....	.....	8452		
7034	116 5 21,7	11,43	0,432	.....	−8.4533	+9.3992	1.0581	9.9147	....	....	.....	8457		
7035	35 48 33,5	11,44	0,186	.....	−9.9638	−9.6653	1.0585	9.9145	....	....	.....	....	....	G 3167
7036	126 5 10,2	11,44	0,464	+0,09	+9.1239	+9.5264	1.0585	9.9145	....	133	iii.2554	8453		
7037	21 36 1,7	11,46	0,036	+0,03	−9.9651	−9.7253	1.0592	9.9142	2636	....	.....	....	....	G 3173
7038	161 41 58,4	11,47	0,764	+1,36	+9.8079	+9.7348	1.0596	9.9140	....	....	.....	8424	6857	
7039	114 38 32,9	11,47	0,428	.....	−8.7193	+9.3776	1.0597	9.9139	....	....	.....	8458		
7040	114 28 13,5	11,49	0,427	.....	−8.7443	+9.3754	1.0604	9.9136	....	....	.....	8459		
7041	47 53 3,3	11,52	0,249	.....	−9.9400	−9.5856	1.0614	9.9131	....	....	.....	....	....	G 3172
7042	108 18 17,7	11,52	0,410	−0,03	−9.1903	+9.2564	1.0616	9.9130	2626	142	ii.2404	....	....	M835, J514
7043	107 55 32,0	11,53	0,409	0,00	−9.2071	+9.2480	1.0620	9.9128	....	145	ii.2405	....	....	M 837
7044	108 21 46,7	11,54	0,410	+0,13	−9.1881	+9.2582	1.0620	9.9128	2627	144	iii.2555	....	....	B.F 2780
7045	161 46 30,4	11,54	0,762	+1,47	+9.8069	+9.7378	1.0623	9.9126	....	....	.....	8431	6862	
7046	93 50 54,3	11,54	−0,375	−0,05	−9.5776	+8.5869	1.0623	9.9126	2629	147	iii.2556			
7047	5 46 43,9	11,55	+0,922	.....	−9.9330	−9.7581	1.0626	9.9125	....	....	.....	....	....	G 3212
7048	50 5 16,0	11,55	−0,257	.....	−9.9332	−9.5677	1.0626	9.9125	....	....	.....	....	....	G 3174
7049	112 53 2,9	11,55	0,421	+0,04	−8.9138	+9.3503	1.0627	9.9124	....	146	ii.2406	8463		
7050	160 6 40,3	11,57	0,726	−0,18	+9.7927	+9.7344	1.0633	9.9122	....	....	.....	8437	6864	R 517
7051	28 12 53,4	11,57	0,123	−0,45	−9.9661	−9.7062	1.0634	9.9121	....	162	iii.2557	....	....	Airy (G)
7052	161 34 20,7	11,58	0,756	−0,53	+9.8046	+9.7385	1.0635	9.9120	....	....	.....	8436	6865	
7053	109 4 39,1	11,59	0,410	.....	−9.1566	+9.2764	1.0642	9.9117	2630	153	ii.2407	....	....	M 838
7054	109 4 30,0	11,60	0,410	+0,02	−9.1569	+9.2764	1.0643	9.9116	2631	154	ii.2408	....	....	M 839
7055	35 48 19,6	11,62	0,185	.....	−9.9614	−9.6720	1.0652	9.9112	....	....	.....	....	....	G 3181
7056	153 49 9,3	11,62	0,628	+0,61	+9.7322	+9.7161	1.0653	9.9111	....	....	.....	8456	6869	R 519
7057	119 36 0,1	11,63	0,438	.....	+8.4014	+9.4569	1.0655	9.9110	....	....	.....	8466		
7058	93 22 49,1	11,63	0,372	−0,02	−9.5857	+8.5340	1.0657	9.9109	2633	157	ii.2409	....	....	J 515
7059	159 57 30,0	11,64	0,719	+0,12	+9.7898	+9.7367	1.0660	9.9108	....	....	.....	8445	6867	
7060	30 53 21,8	11,64	0,149	.....	−9.9645	−9.6974	1.0661	9.9107	....	....	.....	....	....	G 3184
7061	52 3 2,4	11,65	0,264	+0,04	−9.9257	−9.5528	1.0662	9.9107	2634	164	iii.2559			
7062	41 6 45,4	11,68	0,216	−0,03	−9.9532	−9.6422	1.0674	9.9101	2639	169	iii.2560			
7063	105 33	11,70	0,400	.....	−9.3017	+9.1941	1.0680	9.9097	....	....	.....	....	....	A
7064	33 51 17,1	11,70	0,172	.....	−9.9620	−9.6853	1.0682	9.9097	....	....	.....	....	....	G 3191
7065	79 36 13,3	−11,73	−0,340	0,00	−9.7583	−9.0233	−1.0691	−9.9092	2635	168	ii.2410			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7066	Pavonis.....φ^1	5½	20 23 9,09	+5,034	−0,0782	+0,075	+8.9065	−9.0486	+0.7019	−8.8486
7067	41 Cygni	4½	23 15,99	2,448	−0,0002	+0,002	8.6531	8.7948	0.3888	+8.3504
7068	Octantis .....μ^1	5½	23 21,28	7,655	−0,3009	+0,019	9.2296	9.3709	0.8840	−9.2178
7069	Capricorni	7½	23 26,43	3,523	−0,0156	+0,009	8.6266	8.7675	0.5469	−8.2123
7070	Capricorni	8	23 28,85	3,523	−0,0156	+0,019	8.6267	8.7675	0.5469	−8.2125
7071*	Capricorni	7	23 32,45	3,674	−0,0198	.....	8.6505	8.7911	0.5651	−8.3374
7072	Indi .....ν	5½	23 35,29	4,154	−0,0361	−0,011	8.7427	8.8831	0.6185	−8.5924
7073	42 Cygni	6	23 37,40	2,285	+0,0001	+0,005	8.6840	8.8242	0.3589	+8.4527
7074*	Pavonis.....	6	23 39,24	5,255	−0,0918	−0,044	8.9447	9.0848	0.7206	−8.8970
7075*	Octantis	6	23 40,07	7,369	−0,2704	.....	9.2044	9.3445	0.8674	−9.1911
7076*	Cygni	7	23 52,86	1,851	−0,0021	+0,001	8.7709	8.9101	0.2674	+8.6448
7077	Capricorni	6	23 55,77	3,585	−0,0173	−0,011	8.6373	8.7763	0.5545	−8.2704
7078	Capricorni	7	24 1,23	3,404	−0,0128	−0,004	8.6129	8.7515	0.5319	−8.0816
7079*	Delphini	7½	24 1,52	2,865	−0,0033	−0,035	8.6009	8.7395	0.4571	+7.8720
7080	Capricorni	6	24 10,77	3,268	−0,0098	+0,001	8.6007	8.7388	0.5143	−7.8557
7081	Capricorni	7	24 44,51	3,523	−0,0158	−0,019	8.6302	8.7660	0.5469	−8.2173
7082	Pavonis.....ϱ	6	24 58,00	5,102	−0,0835	+0,021	8.9247	9.0595	0.7078	−8.8708
7083	Cygni	6	25 1,29	1,977	−0,0011	.....	8.7495	8.8842	0.2959	+8.6021
7084	44 Cygni	6	25 17,85	2,275	+0,0001	+0,006	8.6909	8.8245	0.3571	+8.4647
7085	45 Cygni .....ω^2	5	25 24,79	1,856	−0,0020	+0,002	8.7751	8.9082	0.2685	+8.6492
7086*	Cephei	6	25 43	1,502	−0,0068	.....	8.8452	8.9771	0.1765	+8.7615
7087*	Capricorni	7	25 50,43	3,343	−0,0115	+0,003	8.6114	8.7429	0.5242	−8.0021
7088	2 Delphini .....ε	4	26 2,83	2,866	−0,0032	+0,002	8.6062	8.7368	0.4572	+7.8788
7089*	Pavonis.....	6	26 6,98	6,087	−0,1541	.....	9.0729	9.2032	0.7844	−9.0470
7090*	Draconis	7	26 27,23	0,378	−0,0399	+0,022	9.0310	9.1600	9.5775	+8.9990
7091*	46 Cygni .....ω^3	5	26 40,95	1,849	−0,0021	+0,002	8.7806	8.9087	0.2670	+8.6565
7092	Pavonis.....	6	26 46,15	5,090	−0,0840	.....	8.9292	9.0569	0.7067	−8.8753
7093*	Capricorni	7	26 50,51	3,624	−0,0188	.....	8.6517	8.7792	0.5591	−8.3130
7094	3 Delphini .....η	6	26 51,37	2,833	−0,0028	+0,007	8.6109	8.7383	0.4522	+7.9469
7095	Pavonis.....	6½	26 58,25	5,212	−0,0917	−0,014	8.9501	9.0771	0.7170	−8.9016
7096	Indi .....α	3	26 59,94	4,252	−0,0411	+0,012	8.7737	8.9006	0.6286	−8.6435
7097	Capricorni	6	27 2,47	3,399	−0,0129	−0,002	8.6204	8.7471	0.5313	−8.0873
7098	2 Cephei .....θ	5	27 3,38	1,014	−0,0179	+0,006	8.9365	9.0631	0.0060	+8.8843
7099	Pavonis.....φ^2	5½	27 36,10	5,003	−0,0794	+0,109	8.9174	9.0419	0.6992	−8.8594
7100	Cygni	6	27 39,01	2,085	−0,0004	.....	8.7361	8.8604	0.3191	+8.5673
7101	Cygni	6	27 39,31	2,143	0,0000	.....	8.7245	8.8487	0.3309	+8.5411
7102	Capricorni	7½	27 45,39	3,483	−0,0151	−0,001	8.6329	8.7568	0.5419	−8.1892
7103	47 Cygni	6	28 4,39	2,330	+0,0002	+0,003	8.6888	8.8114	0.3674	+8.4446
7104	Indi	6	28 6,01	4,139	−0,0368	+0,042	8.7544	8.8769	0.6169	−8.6042
7105	Cephei	6	28 6,66	1,472	−0,0074	+0,009	8.8592	8.9816	0.1679	+8.7791
7106	Pavonis.....υ	5	28 7,79	5,620	−0,1205	+0,022	9.0169	9.1393	0.7497	−8.9819
7107	4 Delphini .....ζ	5	28 17,79	2,802	−0,0026	+0,005	8.6175	8.7392	0.4474	+8.0060
7108*	Capricorni	6½	28 54,92	3,581	−0,0178	.....	8.6506	8.7699	0.5540	−8.2866
7109	70 Aquilæ	5½	28 55,05	3,128	−0,0073	+0,006	8.6063	8.7256	0.4952	−7.3344
7110	13 Capricorni ....τ^1	6	20 28 56,19	+3,369	−0,0124	+0,005	+8.6222	−8.7414	+0.5275	−8.0535

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7066	151 4 57,1	−11,73	−0,596	+0,40	+9.6992	+9.7092	−1.0692	−9.9091	....	....	v.3230	8461	6873	
7067	60 7 46,2	11,74	0,290	−0,01	−9.8922	−9.4646	1.0695	9.9090	2637	173	ii.2411			
7068	166 41 53,5	11,74	0,905	+0,42	+9.8383	+9.7557	1.0698	9.9088	....	....	.....	8435	6870	
7069	112 39 25,1	11,75	0,416	0,00	−8.9460	+9.3535	1.0700	9.9087	....	166	iv.1587	8479		
7070	112 39 50,6	11,75	0,416	0,00	−8.9455	+9.3537	1.0701	9.9087	....	167	iv.1588			
7071	119 5 50,0	11,76	0,434	.....	+8.1703	+9.4549	1.0702	9.9086	....	....	.....	8478		
7072	135 1 11,9	11,76	0,491	+0,02	+9.4254	+9.6178	1.0704	9.9085	....	163	iii.2562	8472	6876	R 521
7073	54 2 34,4	11,76	0,270	−0,03	−9.9175	−9.5370	1.0705	9.9085	2640	179	iii.2563			
7074	153 37 46,0	11,76	0,621	+0,40	+9.7266	+9.7206	1.0705	9.9084	....	....	.....	8464	6874	R 520
7075	165 51 44,3	11,76	0,870	.....	+9.8321	+9.7550	1.0706	9.9084	....	....	.....	8443		
7076	41 34 42,2	11,78	0,219	+0,07	−9.9511	−9.6428	1.0711	9.9081	2641	183	iv.1592			
7077	115 26 49,0	11,78	0,423	+0,12	−8.6454	+9.4022	1.0713	9.9081	....	170	ii.2412	8480	....	M 840
7078	107 6 45,5	11,79	0,402	+0,04	−9.2472	+9.2380	1.0715	9.9079	....	172	iii.2564	....	6878	M 841
7079	79 14 29,7	11,79	0,338	0,00	−9.7614	−9.0404	1.0715	9.9079	2638	178	iv.1591			
7080	100 21 43,1	11,80	0,385	−0,02	−9.4495	+9.0246	1.0719	9.9077	....	174	ii.2413	....	....	B.F 2786
7081	112 44 5,4	11,84	0,415	+0,07	−8.9460	+9.3583	1.0734	9.9069	....	180	iii.2568	8489		
7082	152 2 34,6	11,86	0,600	+0,39	+9.7067	+9.7178	1.0740	9.9066	....	....	.....	8470	6880	
7083	44 34 52,3	11,86	0,233	.....	−9.9440	−9.6245	1.0741	9.9066	....	....	.....	....	....	G 3196
7084	53 33 56,3	11,88	0,267	−0,07	−9.9178	−9.5463	1.0748	9.9062	2643	188	iii.2571			
7085	41 33 2,5	11,89	0,218	−0,02	−9.9496	−9.6470	1.0751	9.9060	2645	192	ii.2415			
7086	34 26	11,91	0,176	.....	−9.9586	−9.6900	1.0759	9.9056	....	....	.....	....	....	A
7087	104 13 58,5	11,92	0,392	0,00	−9.3481	+9.1647	1.0762	9.9054	....	187	ii.2414	....	....	M 843
7088	79 12 10,3	11,93	0,336	0,00	−9.7611	−9.0471	1.0767	9.9051	2642	191	ii.2416			
7089	160 23 45,9	11,94	0,713	.....	+9.7863	+9.7488	1.0769	9.9050	....	....	.....	8467		
7090	21 43 50,5	11,96	0,044	−0,07	−9.9573	−9.7435	1.0778	9.9045	2655	208	iv.1599			
7091	41 17 1,5	11,98	0,216	+0,03	−9.9489	−9.6520	1.0784	9.9042	2647	203	ii.2420	....	....	G 3210
7092	152 2 15,4	11,98	0,595	.....	+9.7031	+9.7224	1.0786	9.9041	....	....	.....	8482		
7093	117 17 23,2	11,99	0,424	.....	−8.2577	+9.4379	1.0788	9.9040	....	....	.....	8496		
7094	77 28 58,3	11,99	0,331	−0,08	−9.7762	−9.1125	1.0788	9.9040	2644	196	ii.2419			
7095	153 25 30,0	12,00	0,609	+0,49	+9.7182	+9.7284	1.0791	9.9038	....	....	.....	8484	....	R 522
7096	137 48 34,0	12,00	0,497	−0,06	+9.4804	+9.6467	1.0792	9.9038	....	....	ii.2417	8494	6885	J 516
7097	107 2 14,0	12,00	0,397	+0,12	−9.2558	+9.2439	1.0793	9.9037	....	194	ii.2418	....	6888	M 844
7098	27 30 32,1	12,00	0,118	+0,01	−9.9595	−9.7250	1.0793	9.9037	2651	211	ii.2422			
7099	151 2 44,2	12,04	0,584	+0,92	+9.6898	+9.7205	1.0807	9.9029	....	....	v.3231	8490	6886	
7100	47 19 4,7	12,05	0,243	.....	−9.9350	−9.6098	1.0808	9.9029	....	....	.....	....	....	G 3217
7101	49 2 15,8	12,05	0,250	.....	−9.9303	−9.5952	1.0808	9.9028	....	....	.....	....	....	G 3216
7102	111 5 58,8	12,05	0,406	+0,06	−9.0689	+9.3351	1.0811	9.9027	....	200	iii.2573	....	....	M 845
7103	55 15 40,7	12,07	0,271	+0,05	−9.9093	−9.5354	1.0819	9.9022	2650	210	iii.2574			
7104	135 2 17,7	12,08	0,482	+0,06	+9.4120	+9.6295	1.0819	9.9022	....	....	.....	8499	....	R 523
7105	33 43 39,8	12,08	0,171	−0,03	−9.9567	−9.6997	1.0820	9.9022	....	217	iv.1606	....	....	G 3221
7106	157 17 0,3	12,08	0,654	+0,12	+9.7550	+9.7447	1.0820	9.9022	....	....	ii.2421	8488	6889	J 517
7107	75 50 22,8	12,09	0,326	−0,04	−9.7896	−9.1687	1.0824	9.9019	2648	207	ii.2423			
7108	115 37 26,8	12,13	0,416	.....	−8.6721	+9.4177	1.0840	9.9010	....	....	.....	8504		
7109	93 3 52,7	12,13	0,363	−0,08	−9.5918	+8.5098	1.0840	9.9010	2649	212	ii.2425			
7110	105 39 46,2	−12,14	−0,391	−0,01	−9.3075	+9.2131	−1.0840	−9.9010	2646	209	ii.2424	....	....	M 846

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7111*	Capricorni	7	20 28 56,95	+3,521	−0,0162	.....	+8.6416	−8.7607	+0.5467	−8.2326
7112	Cygni	6	28 59,84	1,962	−0,0011	.....	8.7655	8.8845	0.2926	+8.6238
7113*	Capricorni	7	29 11,35	3,561	−0,0173	.....	8.6482	8.7664	0.5515	−8.2700
7114	Cygni	6	29 11,41	2,160	0,0000	.....	8.7258	8.8440	0.3344	+8.5391
7115	Capricorni	7½	29 18,97	3,409	−0,0133	−0,001	8.6276	8.7453	0.5326	−8.1091
7116	Capricorni	7	29 42,89	3,489	−0,0153	+0,001	8.6390	8.7552	0.5427	−8.2033
7117	26 Vulpeculæ	7	29 43,14	2,567	−0,0005	+0,010	8.6517	8.7678	0.4095	+8.2835
7118	Indi	7	29 53,43	4,222	−0,0408	−0,011	8.7771	8.8926	0.6256	−8.6437
7119	Cygni	6	29 56,68	2,136	0,0000	.....	8.7329	8.8482	0.3296	+8.5531
7120	Cygni	7	30 28,41	1,747	−0,0031	+0,011	8.8138	8.9270	0.2423	+8.7064
7121	6 Delphini .....β	4	30 30,89	2,805	−0,0025	+0,008	8.6229	8.7359	0.4480	+8.0089
7122	71 Aquilæ	5	30 35,44	3,101	−0,0068	+0,003	8.6100	8.7227	0.4914	−7.0627
7123	Capricorni	7	30 36,31	+3,396	−0,0131	.....	8.6294	8.7421	+0.5310	−8.0974
7124*	Draconis	5½	30 37,06	−0,192	−0,0695	+0,007	9.1204	9.2330	−9.2822	+9.0987
7125	5 Delphini .....ι	5½	30 38,56	+2,868	−0,0032	+0,005	8.6178	8.7303	+0.4575	+7.8928
7126	27 Vulpeculæ	5½	30 40,82	2,556	−0,0004	+0,005	8.6562	8.7685	0.4075	+8.2971
7127	14 Capricorni ....τ²	6	30 52,84	3,363	−0,0123	+0,002	8.6266	8.7381	0.5268	−8.0529
7128*	Capricorni	7	31 11,68	3,548	−0,0172	.....	8.6517	8.7620	0.5500	−8.2664
7129	Pavonis.....β	3	31 22,68	5,526	−0,1171	−0,002	9.0152	9.1248	0.7424	−8.9784
7130*	Aquarii.....	7	31 24,97	3,125	−0,0073	+0,003	8.6124	8.7219	0.4948	−7.3219
7131*	48 Cygni	6½	31 25,87	2,435	+0,0001	−0,005	8.6790	8.7885	0.3865	+8.3915
7132*	Cygni	6½	31 27,10	2,436	+0,0001	−0,004	8.6789	8.7882	0.3867	+8.3907
7133*	Capricorni	7	31 27,61	3,554	−0,0173	.....	8.6534	8.7627	0.5508	−8.2731
7134	15 Capricorni ....υ	5	31 30,39	3,427	−0,0139	−0,001	8.6355	8.7446	0.5349	−8.1406
7135*	Capricorni	7	31 31,72	3,634	−0,0197	.....	8.6666	8.7756	0.5604	−8.3398
7136*	Capricorni	6½	31 35,18	3,612	−0,0191	.....	8.6630	8.7719	0.5578	−8.3226
7137	8 Delphini .....θ	4½	31 39,29	2,831	−0,0028	+0,002	8.6233	8.7319	0.4520	+7.9686
7138	1 Aquarii.....	5½	31 43,59	3,071	−0,0063	+0,012	8.6126	8.7209	0.4873	−5.4349
7139*	Capricorni	7	31 45,41	3,657	−0,0205	.....	8.6711	8.7793	0.5631	−8.3577
7140	29 Vulpeculæ	5½	31 49,70	2,673	−0,0012	+0,008	8.6418	8.7496	0.4270	+8.1897
7141	7 Delphini .....κ	5½	31 50,70	2,893	−0,0036	+0,025	8.6190	8.7268	0.4614	+7.8393
7142	Indi	6	31 59,64	4,140	−0,0379	+0,031	8.7669	8.8741	0.6170	−8.6196
7143	28 Vulpeculæ	5½	31 59,97	2,611	−0,0007	+0,003	8.6512	8.7584	0.4167	+8.2535
7144	Draconis	6	32 4,89	0,174	−0,0511	+0,015	9.0798	9.1866	9.2408	+9.0528
7145	Capricorni	6½	32 6,39	3,386	−0,0130	−0,007	8.6321	8.7389	0.5296	−8.0894
7146	Delphini	7	32 7,39	2,782	−0,0022	+0,002	8.6293	8.7360	0.4444	+8.0510
7147*	Capricorni	6½	32 26,30	3,596	−0,0187	.....	8.6626	8.7681	0.5558	−8.3125
7148*	Capricorni	7	32 27,80	3,642	−0,0201	.....	8.6705	8.7759	0.5613	−8.3493
7149	9 Delphini .....α	3½	32 40,31	2,781	−0,0022	+0,010	8.6307	8.7353	0.4443	+8.0545
7150*	Delphini	7	32 41,76	2,872	−0,0032	+0,023	8.6226	8.7271	0.4581	+7.8920
7151	Capricorni	7	32 48,63	3,410	−0,0136	−0,006	8.6368	8.7408	0.5328	−8.1246
7152	Cygni	6	32 49,27	2,469	+0,0001	+0,008	8.6769	8.7809	0.3925	+8.3734
7153	Cygni	6	32 57,15	1,705	−0,0037	.....	8.8306	8.9341	0.2316	+8.7298
7154	Indi .....η	5½	33 0,66	4,437	−0,0517	+0,051	8.8308	8.9340	0.6470	−8.7299
7155	Microscopii	6½	20 33 3,35	+3,954	−0,0308	+0,020	+8.7321	−8.8352	+0.5971	−8.5410

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
7111	112 57 5,7	−12,14	−0,409	.....	−8.9499	+9.3729	−1.0841	−9.9010	....	....	.....	8505		
7112	43 49 8,7	12,14	0,228	.....	−9.9419	−9.6402	1.0842	9.9009	....	....	.....	....	....	G 3226
7113	114 44 43,2	12,15	0,413	.....	−8.7860	+9.4042	1.0847	9.9006	....	....	.....	8506		
7114	49 25 0,6	12,15	0,251	.....	−9.9279	−9.5957	1.0847	9.9006	....	....	.....	....	....	G 3228
7115	107 38 25,0	12,16	0,395	+0,08	−9.2370	+9.2643	1.0850	9.9005	....	213	iii.2576	....	....	M 847
7116	111 30 44,0	12,19	0,404	+0,12	−9.0512	+9.3481	1.0860	9.8999	....	215	iii.2577			
7117	64 38 8,9	12,19	0,297	+0,01	−9.8647	−9.4156	1.0860	9.8999	2653	220	iii.2578			
7118	137 20 49,3	12,20	0,489	−0,01	+9.4620	+9.6508	1.0864	9.8996	....	....	v.3232	8503	6894	
7119	48 37 37,3	12,21	0,247	.....	−9.9295	−9.6045	1.0865	9.8996	....	....	.....	....	....	G 3236
7120	38 39 41,5	12,24	0,202	−0,03	−9.9492	−9.6782	1.0878	9.8988	....	236	iv.1614	....	....	G 3239
7121	75 55 22,7	12,24	0,324	+0,01	−9.7878	−9.1717	1.0879	9.8987	2656	227	ii.2428			
7122	91 37 31,1	12,25	0,358	−0,02	−9.6142	+8.2387	1.0881	9.8986	2654	224	ii.2427	....	....	J 519
7123	107 4 47,5	12,25	−0,392	.....	−9.2608	+9.2539	1.0882	9.8986	....	....	.....	....	6898	
7124	17 58 38,6	12,25	+0,022	+0,04	−9.9479	−9.7642	1.0882	9.8986	2673	257	iii.2583	....	....	G 3241
7125	79 8 32,8	12,25	−0,331	+0,01	−9.7599	−9.0610	1.0883	9.8985	2658	228	ii.2429			
7126	64 3 24,6	12,26	0,295	−0,02	−9.8672	−9.4271	1.0883	9.8985	2660	232	ii.2431			
7127	105 28 39,7	12,27	0,388	+0,03	−9.3162	+9.2129	1.0888	9.8982	2652	225	ii.2430	....	....	M 848
7128	114 19 22,1	12,29	0,409	.....	−8.8445	+9.4022	1.0896	9.8977	....	....	.....	8522		
7129	156 44 9,6	12,30	0,637	+0,01	+9.7436	+9.7510	1.0901	9.8975	....	....	ii.2426	8500	6897	J 518, R 524
7130	92 56 11,3	12,31	0,360	0,00	−9.5944	+8.4974	1.0901	9.8974	2659	234	iii.2582			
7131	58 56 55,8	12,31	0,280	+0,08	−9.8915	−9.5004	1.0902	9.8974	2665	241	iii.2584	....	....	A 470
7132	58 59 50,9	12,31	0,281	+0,01	−9.8913	−9.4999	1.0902	9.8973	2666	243	iii.2585	....	....	B.F 2818
7133	114 37 25,3	12,31	0,409	.....	−8.8169	+9.4078	1.0903	9.8973	....	....	.....	8525		
7134	108 39 43,9	12,31	0,395	−0,05	−9.2000	+9.2933	1.0904	9.8973	2657	233	ii.2432	....	....	M 849, J 520
7135	118 6 26,8	12,31	0,418	.....	−8.0374	+9.4613	1.0904	9.8972	....	....	.....	8523		
7136	117 10 21,2	12,32	0,416	.....	−8.4099	+9.4479	1.0906	9.8971	....	....	.....	8526		
7137	77 12 26,7	12,32	0,326	−0,04	−9.7766	−9.1337	1.0907	9.8970	2662	239	ii.2434			
7138	90 2 16,5	12,33	0,353	+0,03	−9.6370	+6.6110	1.0909	9.8969	2661	237	ii.2433			
7139	119 4 15,8	12,33	0,421	.....	+7.5911	+9.4753	1.0910	−9.8969	....	....	.....	8527		
7140	69 19 20,0	12,34	0,307	−0,01	−9.8353	−9.3368	1.0912	9.8968	2664	245	ii.2436			
7141	80 26 20,1	12,34	0,333	−0,02	−9.7473	−9.0093	1.0912	9.8968	2663	242	ii.2435			
7142	135 24 57,8	12,35	0,476	+0,14	+9.4094	+9.6420	1.0916	9.8965	....	....	.....	8520	....	R 525
7143	66 24 27,1	12,35	0,300	−0,01	−9.8532	−9.3917	1.0916	9.8965	2668	248	ii.2438			
7144	19 58 59,8	12,35	0,020	+0,09	−9.9488	−9.7626	1.0918	9.8964	....	265	iv.1625	....	....	G 3246
7145	106 39 14,0	12,35	0,389	0,00	−9.2788	+9.2469	1.0918	9.8964	....	240	ii.2437	....	....	B.F 2810
7146	74 41 9,2	12,36	0,320	−0,02	−9.7970	−9.2114	1.0919	9.8964	2667	247	iv.1621			
7147	116 31 16,2	12,38	0,413	.....	−8.5682	+9.4403	1.0926	9.8959	....	....	.....	8532		
7148	118 30 23,8	12,38	0,418	.....	−7.7634	+9.4692	1.0927	9.8958	....	....	.....	8530		
7149	74 36 50,9	12,39	0,319	−0,02	−9.7973	−9.2147	1.0932	9.8955	2670	254	ii.2439	....	....	P 919
7150	79 16 55,1	12,40	0,329	.....	−9.7579	−9.0605	1.0932	9.8955	2669	....	.....	....	....	L 109
7151	107 54 20,6	12,40	0,391	−0,03	−9.2338	+9.2791	1.0935	9.8953	....	250	iii.2586			
7152	60 11 22,0	12,40	0,283	+0,16	−9.8849	−9.4878	1.0936	9.8953	....	258	ii.2440			
7153	37 32 56,9	12,41	0,195	.....	−9.9480	−9.6908	1.0939	9.8951	....	....	.....	....	....	G 3245
7154	142 27 4,0	12,42	0,508	+0,05	+9.5540	+9.6910	1.0940	9.8950	....	....	v.3233	8524	6904	
7155	130 5 25,6	−12,42	−0,453	−0,01	+9.2396	+9.6008	−1.0941	−9.8950	....	....	v.3234	8531	6905	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7156*	73 Draconis	5½	20 33 26,32	−0,694	−0,1029	−0,001	+9.1882	−9.2898	−9.8416	+9.1720
7157*	Delphini	8	33 35,75	+2,788	−0,0023	.....	8.6324	8.7334	+0.4452	+8.0487
7158	Cygni	6	34 3,85	2,191	+0,0004	.....	8.7343	8.8334	0.3407	+8.5428
7159	Capricorni	7	34 7,53	3,423	−0,0141	.....	8.6418	8.7407	0.5345	−8.1464
7160	10 Delphini	6	34 14,91	2,809	−0,0024	+0,003	8.6319	8.7303	0.4485	+8.0171
7161*	Cygni	7	34 19,52	2,020	−0,0004	−0,001	8.7704	8.8685	0.3054	+8.6209
7162*	Capricorni	7	34 41,29	3,514	−0,0166	.....	8.6556	8.7524	0.5457	−8.2473
7163	Indi	7	34 50,74	4,862	−0,0757	.....	8.9182	9.0143	0.6868	−8.8548
7164	49 Cygni	6	34 58,55	2,425	+0,0003	+0,006	8.6909	8.7865	0.3846	+8.4124
7165	Pavonis..... σ	4½	35 0,51	5,832	−0,1449	−0,009	9.0724	9.1679	0.7659	−9.0435
7166	Cephei	6	35 6,92	1,555	−0,0060	.....	8.8673	8.9624	0.1918	+8.7832
7167	Cygni	6	35 23,43	2,241	+0,0005	.....	8.7281	8.8221	0.3504	+8.5227
7168*	Capricorni	7	35 29,87	+3,641	−0,0205	.....	8.6787	8.7723	+0.5613	−8.3606
7169*	Draconis	7	36 4,79	−3,430	−0,3868	+0,020	9.4249	9.5162	−0.5353	+9.4194
7170*	Capricorni	6½	36 12,59	+3,618	−0,0198	.....	8.6765	8.7673	+0.5585	−8.3452
7171*	50 Cygni ..... α	1	36 19,17	2,042	−0,0002	+0,002	8.7721	8.8625	0.3100	+8.6197
7172	Aquarii.....	7	36 20,38	3,151	−0,0079	.....	8.6249	8.7152	0.4985	−7.5148
7173	11 Delphini ..... δ	4	36 27,52	2,802	−0,0023	+0,002	8.6380	8.7278	0.4474	+8.0378
7174	Cygni	6	36 31,25	2,163	+0,0004	.....	8.7474	8.8370	0.3351	+8.5659
7175*	Microscopii	6	36 32,81	3,933	−0,0309	+0,008	8.7382	8.8277	0.5947	−8.5438
7176	Cephei	6	37 6,34	1,281	−0,0118	.....	8.9259	9.0132	0.1075	+8.8633
7177	16 Capricorni ....ψ	4½	37 12,49	+3,571	−0,0185	−0,001	8.6712	8.7582	+0.5528	−8.3100
7178*	75 Draconis	5½	37 25,05	−3,387	−0,3856	+0,005	9.4272	9.5134	−0.5299	+9.4218
7179	17 Capricorni	6	37 27,89	+3,489	−0,0161	+0,006	8.6592	8.7452	+0.5428	−8.2338
7180*	Capricorni	7	37 28,05	3,539	−0,0176	.....	8.6667	8.7526	0.5488	−8.2821
7181*	Capricorni	7	37 28,25	3,607	−0,0196	.....	8.6779	8.7639	0.5571	−8.3410
7182	51 Cygni	6	37 35,41	1,848	−0,0018	+0,010	8.8166	8.9021	0.2667	+8.6996
7183*	Capricorni	7	37 47,07	+3,502	−0,0165	.....	8.6619	8.7466	+0.5444	−8.2482
7184*	Ursæ Minoris	5	37 47,97	−41,226	−22,6920	.....	0.2599	0.3443	−1.6152	+0.2598
7185*	74 Draconis	6	37 54,77	−3,138	−0,3539	+0,021	9.4124	9.4967	−0.4966	+9.4065
7186	Microscopii .... ι	5½	38 17,67	+4,084	−0,0375	+0,005	8.7751	8.8579	+0.6111	−8.6210
7187*	Capricorni	7	38 22,14	3,595	−0,0193	.....	8.6782	8.7607	0.5557	−8.3347
7188	30 Vulpeculæ	6	38 23,15	2,596	−0,0003	0,000	8.6701	8.7525	0.4143	+8.2918
7189	Cephei	7½	38 33,19	1,494	−0,0072	+0,007	8.8908	8.9726	0.1744	+8.8137
7190*	Microscopii	6½	38 36,26	4,083	−0,0375	.....	8.7758	8.8574	0.6110	−8.6217
7191	Pavonis.....	6	39 3,21	5,086	−0,0930	−0,040	8.9725	9.0523	0.7064	−8.9223
7192	Indi ..... ζ	6	39 8,72	4,164	−0,0412	−0,015	8.7944	8.8739	0.6195	−8.6570
7193	Cephei	6	39 27,05	1,289	−0,0118	.....	8.9326	9.0109	0.1101	+8.8704
7194	52 Cygni	5½	39 28,51	2,474	−0,0004	+0,005	8.6940	8.7722	0.3934	+8.3953
7195	Capricorni	7	39 31,25	3,514	−0,0171	−0,003	8.6681	8.7462	0.5459	−8.2670
7196	2 Aquarii..... ε	4½	39 33,37	3,252	−0,0102	+0,007	8.6377	8.7156	0.5122	−7.8791
7197	Capricorni	6	39 36,09	3,512	−0,0170	+0,001	8.6680	8.7457	0.5455	−8.2648
7198	Cygni	6	39 38,91	1,980	−0,0005	.....	8.7954	8.8730	0.2967	+8.6578
7199	Delphini	7	39 41,32	2,785	−0,0021	+0,001	8.6475	8.7249	0.4448	+8.0768
7200	12 Delphini .....γ	4	20 39 42,05	+2,785	−0,0021	0,000	+8.6476	−8.7249	+0.4448	+8.0769

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7156	15 33 38,1	−12,45	+0,079	+0,03	−9.9404	−9.7766	−1.0950	−9.8944	2682	279	iii.2588	....	....	G 3251
7157	74 52 58,2	12,46	−0,319	−0,26	−9.7947	−9.2095	1.0954	9.8942	2671	....	.....	....	....	L 94
7158	49 56 54,8	12,49	0,250	.....	−9.9221	−9.6028	1.0965	9.8935	....	....	.....	....	....	G 3248
7159	108 38 30,7	12,49	0,391	.....	−9.2071	+9.2991	1.0967	9.8934	....	....	ii.2441	....	....	Z 1370
7160	75 56 50,2	12,50	0,320	−0,03	−9.7860	−9.1800	1.0970	9.8932	2672	264	ii.2442	....	....	
7161	44 51 40,5	12,51	0,230	−0,01	−9.9346	−9.6455	1.0971	9.8931	2674	....	.....	....	....	L 1
7162	112 59 25,7	12,53	0,400	.....	−8.9759	+9.3875	1.0980	9.8925	....	....	.....	8542		
7163	149 46 45,4	12,54	0,553	.....	+9.6589	+9.7327	1.0984	9.8923	....	....	.....	....	....	R 526
7164	58 13 22,2	12,55	0,276	−0,03	−9.8919	−9.5180	1.0987	9.8921	2675	273	iii.2591			
7165	159 19 1,5	12,55	0,663	−0,08	+9.7607	+9.7676	1.0988	9.8920	....	....	.....	8521	6908	
7166	34 31 18,6	12,56	0,177	.....	−9.9485	−9.7127	1.0990	9.8919	....	....	.....	....	....	G 3253
7167	51 26 59,3	12,58	0,255	.....	−9.9164	−9.5921	1.0997	9.8914	....	....	.....	....	....	G 3252
7168	118 44 10,8	12,59	−0,413	.....	−7.7924	+9.4796	1.0999	9.8913	....	....	.....	8543		
7169	9 4 44,4	12,63	+0,389	−0,06	−9.9221	−9.7936	1.1013	9.8904	2701	316	iii.2596	....	....	G 3268
7170	117 47 38,8	12,64	−0,410	.....	−8.3385	+9.4680	1.1016	9.8902	....	....	.....	8548		
7171	45 15 12,0	12,64	0,231	0,00	−9.9318	−9.6472	1.1018	9.8900	2679	285	ii.2444	....	6913	M 852
7172	94 27 5,2	12,64	0,357	.....	−9.5711	+8.6896	1.1019	9.8900	....	....	.....	....	....	Z 1435
7173	75 27 36,8	12,65	0,317	+0,02	−9.7888	−9.1997	1.1022	9.8898	2678	281	ii.2443			
7174	48 49 5,9	12,66	0,245	.....	−9.9229	−9.6186	1.1023	9.8897	....	....	.....	....	....	G 3258
7175	129 44 18,0	12,66	0,445	+0,02	+9.2101	+9.6058	1.1024	9.8897	....	274	iii.2594	8545	6911	
7176	30 2 16,3	12,70	0,145	.....	−9.9481	−9.7388	1.1037	9.8888	....	....	.....	....	....	G 3263
7177	115 48 21,5	12,70	−0,403	+0,15	−8.7308	+9.4405	1.1039	9.8886	2676	282	ii.2445	8553	....	M851,J521
7178	9 5 41,2	12,72	+0,382	0,00	−9.9202	−9.7967	1.1044	9.8883	2704	331	iii.2601	....	....	G 3276
7179	112 3 19,0	12,72	−0,393	0,00	−9.0488	+9.3769	1.1045	9.8882	2677	284	ii.2446			
7180	114 21 38,7	12,72	0,399	.....	−8.8831	+9.4177	1.1045	9.8882	....	....	.....	8556		
7181	117 24 39,1	12,72	0,407	.....	−8.4669	+9.4654	1.1045	9.8882	....	....	.....	8555		
7182	40 11 51,4	12,73	0,208	+0,04	−9.9397	−9.6856	1.1048	9.8881	2683	293	iii.2597			
7183	112 41 25,8	12,74	−0,394	.....	−9.0107	+9.3893	1.1052	9.8877	....	....	.....	8561		
7184	1 20 4,6	12,75	+4,641	.....	−9.8931	−9.8031	1.1055	9.8876	....	....	.....	....	....	G 3402
7185	9 26 17,0	12,75	+0,353	−0,20	−9.9204	−9.7974	1.1055	9.8875	2705	333	iii.2603	....	....	G 3277
7186	134 31 51,6	12,78	−0,459	+0,22	+9.3640	+9.6501	1.1064	9.8870	....	289	iii.2598	8554	6914	
7187	116 57 29,4	12,78	0,404	.....	−8.5740	+9.4608	1.1066	9.8868	....	....	.....	8566		
7188	65 15 48,2	12,78	0,292	+0,17	−9.8552	−9.4260	1.1066	9.8868	2680	294	ii.2447			
7189	33 9 9,3	12,79	0,168	+0,02	−9.9455	−9.7276	1.1070	9.8865	....	302	iii.2600			
7190	134 31 55,4	12,80	0,459	.....	+9.3629	+9.6508	1.1071	9.8865	....	....	v.3236	....	6916	
7191	152 58 47,6	12,83	0,570	+0,09	+9.6882	+9.7557	1.1081	9.8858	....	....	.....	8550	6917	R 527
7192	136 46 33,2	12,83	0,467	−0,15	+9.4196	+9.6687	1.1084	9.8856	....	....	v.3237	8564	6919	
7193	29 56 15,4	12,85	0,144	.....	−9.9454	−9.7446	1.1090	9.8851	....	....	.....	....	....	G 3274
7194	59 49 35,1	12,86	0,277	−0,01	−9.8814	−9.5081	1.1091	9.8851	2687	306	iii.2604			
7195	113 23 34,6	12,86	0,393	0,00	−8.9713	+9.4058	1.1092	9.8850	....	296	ii.2448	....	....	W 1114
7196	100 2 29,8	12,86	0,364	+0,02	−9.4676	+9.0485	1.1093	9.8850	2681	299	ii.2450	....	....	M853,J522
7197	113 16 49,9	12,86	0,393	+0,18	−8.9796	+9.4040	1.1094	9.8849	....	298	ii.2449	8572	....	W 1115
7198	43 14 44,6	12,87	0,222	.....	−9.9325	−9.6697	1.1095	9.8848	....	....	.....	....	....	G 3269
7199	74 24 49,3	12,87	0,312	+0,20	−9.7953	−9.2366	1.1096	9.8848	2685	303	iii.2605			
7200	74 24 44,9	−12,87	−0,311	+0,15	−9.7953	−9.2367	−1.1096	−9.8847	2686	304	ii.2452			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7201	3 Aquarii	4	20 39 49,22	+3,171	−0,0084	+0,002	+8.6336	−8.7105	+0.5011	−7.6210
7202*	Capricorni	6	39 53,23	3,418	−0,0143	.....	8.6554	8.7320	0.5338	−8.1624
7203*	Capricorni	7	40 6,65	3,613	−0,0202	.....	8.6860	8.7618	0.5579	−8.3566
7204	53 Cygni ..... ε	3	40 8,55	2,395	+0,0007	+0,031	8.7108	8.7864	0.3794	+8.4516
7205	Capricorni	6	40 22,71	3,577	−0,0191	−0,004	8.6804	8.7551	0.5535	−8.3274
7206	13 Delphini	5½	40 22,77	2,973	−0,0047	+0,007	8.6348	8.7095	0.4732	+7.6132
7207	Microscopii .... α	4½	40 35,59	3,769	−0,0255	+0,021	8.7164	8.7903	0.5762	−8.4677
7208	Indi ..... ι	5½	40 38,51	4,386	−0,0524	+0,019	8.8457	8.9194	0.6421	−8.7431
7209	Capricorni	6½	40 49,52	3,414	−0,0143	−0,003	8.6571	8.7301	0.5333	−8.1605
7210*	Capricorni	7½	41 5,34	3,611	−0,0202	+0,001	8.6882	8.7602	0.5576	−8.3586
7211	4 Cephei	6	41 17,27	0,769	−0,0282	−0,002	9.0275	9.0987	9.8859	+8.9886
7212	Microscopii	6	41 22,04	3,880	−0,0299	−0,005	8.7413	8.8122	0.5889	−8.5351
7213	54 Cygni ..... λ	5	41 34,06	2,332	+0,0009	+0,001	8.7272	8.7974	0.3678	+8.4958
7214*	Capricorni	6½	41 34,97	3,608	−0,0202	.....	8.6888	8.7589	0.5572	−8.3576
7215*	Cephei	5	41 37,66	1,500	−0,0071	−0,005	8.9000	8.9700	0.1762	+8.8238
7216*	Capricorni	7	41 39,81	+3,557	−0,0186	.....	8.6803	8.7501	+0.5510	−8.3147
7217*	Cephei	7	41 45,55	−2,114	−0,2409	−0,010	9.3513	9.4207	−0.3251	+9.3431
7218	Cygni	6	42 0,43	+1,748	−0,0029	.....	8.8516	8.9200	+0.2425	+8.7508
7219	Cygni	6	42 11,75	2,054	+0,0001	.....	8.7876	8.8554	0.3125	+8.6374
7220	3 Cephei ..... η	3½	42 13,69	1,219	−0,0137	+0,013	8.9549	9.0226	0.0858	+8.8978
7221	Aquarii	6½	42 25,53	3,307	−0,0117	+0,015	8.6489	8.7157	0.5194	−8.0041
7222	14 Delphini	6½	42 27,75	2,940	−0,0041	+0,006	8.6410	8.7078	0.4684	+7.7457
7223	15 Delphini	6½	42 28,87	2,855	−0,0029	+0,006	8.6471	8.7138	0.4556	+7.9647
7224*	Capricorni	7	42 33,31	3,623	−0,0208	.....	8.6940	8.7604	0.5590	−8.3734
7225	Capricorni	6½	42 34,61	3,606	−0,0202	−0,003	8.6910	8.7573	0.5570	−8.3597
7226	Microscopii .... β	6	42 39,02	3,748	−0,0252	+0,007	8.7180	8.7840	0.5738	−8.4625
7227	18 Capricorni .... ω	5½	42 51,65	3,598	−0,0201	+0,002	8.6903	8.7555	0.5560	−8.3544
7228	Indi ..... β	4	43 2,81	4,757	−0,0746	0,000	8.9271	8.9916	0.6773	−8.8603
7229	4 Aquarii	6	43 28,32	+3,180	−0,0087	+0,007	8.6422	8.7051	+0.5025	−7.6746
7230	Draconis	6	43 40,75	−5,269	−0,7219	.....	9.5600	9.6221	−0.7218	+9.5569
7231	Pavonis	6½	43 46,47	+5,700	−0,1447	.....	9.0858	9.1475	+0.7559	−9.0560
7232	Aquarii	7	43 48,44	3,285	−0,0111	+0,015	8.6500	8.7116	0.5166	−7.9678
7233	55 Cygni	5½	43 49,83	2,041	−0,0002	+0,004	8.7953	8.8568	0.3098	+8.6490
7234	Microscopii	6	43 53,69	3,929	−0,0324	+0,012	8.7587	8.8200	0.5943	−8.5701
7235	Pavonis	6	43 58,88	5,800	−0,1536	+0,012	9.1008	9.1617	0.7635	−9.0730
7236	5 Aquarii	6	44 12,69	3,178	−0,0087	+0,002	8.6438	8.7038	0.5021	−7.6677
7237	Capricorni	6	44 12,85	3,527	−0,0180	+0,011	8.6818	8.7418	0.5474	−8.2968
7238	Aquarii	7½	44 14,28	3,318	−0,0120	+0,001	8.6540	8.7140	0.5208	−8.0304
7239	6 Aquarii ..... μ	4½	44 33,71	3,240	−0,0101	+0,006	8.6481	8.7068	0.5105	−7.8677
7240	Indi	7	44 34,39	4,803	−0,0784	.....	8.9411	8.9997	0.6816	−8.8779
7241	56 Cygni	5½	44 45,33	2,116	+0,0007	+0,015	8.7819	8.8399	0.3255	+8.6197
7242	Aquarii	6	44 52,94	3,287	−0,0112	−0,001	8.6526	8.7101	0.5168	−7.9753
7243	Cygni	6	44 53,34	1,863	−0,0014	.....	8.8368	8.8942	0.2701	+8.7225
7244*	Capricorni	7	45 13,00	3,536	−0,0183	.....	8.6857	8.7419	0.5485	−8.3092
7245*	Microscopii	7	20 45 38,15	+4,078	−0,0394	.....	+8.7960	−8.8506	+0.6105	−8.6465

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7201	95 34 24,8	−12,88	−0,355	+0,03	−9.5532	+8.7950	−1.1099	−9.8845	2684	301	ii.2451	....	....	J 523
7202	108 44 51,2	12,89	0,382	.....	−9.2164	+9.3149	1.1100	9.8844	....	....	.....	....	....	B.F 2827
7203	117 55 36,1	12,90	0,404	.....	−8.3945	+9.4789	1.1105	9.8841	....	....	.....	8575		
7204	56 35 20,4	12,90	0,268	−0,33	−9.8942	−9.5493	1.1106	9.8840	2689	313	ii.2455			
7205	116 19 52,1	12,92	0,399	+0,12	−8.6955	+9.4559	1.1111	9.8837	....	305	ii.2453	8581	....	W 1116
7206	84 32 25,0	12,92	0,332	+0,01	−9.7031	−8.7873	1.1111	9.8837	2688	309	ii.2456			
7207	124 19 53,2	12,93	0,420	+0,15	+8.8615	+9.5607	1.1116	9.8833	....	307	ii.2454	8579	6922	P928, J524
7208	142 9 40,9	12,93	0,489	−0,05	+9.5281	+9.7070	1.1117	9.8832	....	....	v.3238	8567	6921	
7209	108 35 6,3	12,95	0,380	+0,09	−9.2251	+9.3133	1.1122	9.8829	....	310	ii.2457	....	....	M 854
7210	117 55 5,2	12,96	0,402	+0,05	−8.4200	+9.4810	1.1127	9.8825	....	312	iii.2607			
7211	23 53 15,1	12,98	0,086	+0,01	−9.9409	−9.7721	1.1132	9.8822	2697	335	iii.2609			
7212	128 27 55,2	12,98	0,431	−0,14	+9.1281	+9.6050	1.1134	9.8821	....	....	v.3239	8582	6924	
7213	54 3 27,9	13,00	0,259	−0,06	−9.9022	−9.5802	1.1138	9.8817	2692	323	ii.2458			
7214	117 48 11,2	13,00	0,401	.....	−8.4579	+9.4804	1.1138	9.8817	....	....	.....	8589		
7215	32 57 22,6	13,00	0,167	+0,19	−9.9420	−9.7355	1.1139	9.8817	....	332	ii.2459	....	....	B.H 475
7216	115 31 33,3	13,00	−0,395	.....	−8.8028	+9.4462	1.1140	9.8816	....	....	.....	8590		
7217	11 6 14,1	13,01	+0,235	.....	−9.9193	−9.8038	1.1142	9.8814	2711	....	.....	....	....	Airy (G)
7218	37 32 50,2	13,03	−0,194	.....	−9.9382	−9.7118	1.1148	9.8810	....	....	.....	....	....	G 3285
7219	44 58 10,0	13,04	0,228	.....	−9.9265	−9.6627	1.1152	9.8807	....	....	.....	....	....	G 3284
7220	28 44 32,9	13,04	0,135	−0,82	−9.9420	−9.7560	1.1153	9.8807	2698	338	ii.2465			
7221	103 5 46,6	13,05	0,366	+0,09	−9.3992	+9.1687	1.1157	9.8804	....	325	ii.2461	....	....	W 1118
7222	82 41 22,0	13,06	0,326	−0,05	−9.7218	−8.9182	1.1158	9.8803	2691	329	iii.2611			
7223	78 0 26,8	13,06	0,316	−0,30	−9.7651	−9.1312	1.1158	9.8803	2693	330	iii.2612			
7224	118 32 59,2	13,06	0,401	.....	−8.2672	+9.4931	1.1160	9.8801	....	....	.....	8597		
7225	117 47 56,5	13,06	0,399	+0,03	−8.4771	+9.4826	1.1160	9.8801	....	322	ii.2462	....	....	W 1119
7226	123 44 5,0	13,07	0,415	+0,02	+8.7810	+9.5586	1.1162	9.8800	....	320	iii.2610	8593	6930	
7227	117 28 33,2	13,08	0,398	−0,01	−8.5478	+9.4785	1.1167	9.8797	2690	328	ii.2464	8601	....	M 855
7228	149 0 54,8	13,09	0,526	0,00	+9.6294	+9.7480	1.1171	9.8793	....	....	ii.2463	8584	6929	J 525
7229	96 11 2,7	13,12	−0,351	0,00	−9.5439	+8.8481	1.1180	9.8787	2694	336	ii.2466			
7230	6 54 25,2	13,14	+0,581	.....	−9.9044	−9.8131	1.1185	9.8783	....	....	.....	....	....	Wol. i. 41
7231	158 59 25,6	13,14	−0,628	.....	+9.7400	+9.7866	1.1187	9.8782	....	....	.....	8578	6931	
7232	101 59 53,0	13,14	0,362	+0,12	−9.4273	+9.1343	1.1187	9.8781	....	337	ii.2467	....	....	W 1121
7233	44 26 25,2	13,15	0,225	−0,01	−9.9258	−9.6703	1.1188	9.8781	2699	350	iii.2614			
7234	130 22 4,1	13,15	0,433	+0,21	+9.1998	+9.6281	1.1189	9.8780	....	334	iii.2613	8606	6934	
7235	159 42 44,8	13,16	0,639	−0,09	+9.7462	+9.7891	1.1191	9.8778	....	....	.....	8577	6932	
7236	96 3 57,5	13,17	0,350	−0,02	−9.5463	+8.8414	1.1196	9.8774	2695	342	iii.2616			
7237	114 20 28,8	13,17	0,388	+0,11	−8.9274	+9.4325	1.1196	9.8774	....	339	ii.2468	8612	....	W 1122
7238	103 45 44,1	13,17	0,365	−0,04	−9.3840	+9.1938	1.1197	9.8774	....	341	iii.2615	....	....	M 856
7239	99 32 34,7	13,20	0,356	+0,03	−9.4816	+9.0377	1.1204	9.8769	2696	345	ii.2470	....	6939	M 857, J 526
7240	149 50 27,3	13,20	0,528	.....	+9.6366	+9.7550	1.1204	9.8768	....	....	.....	....	....	R 529
7241	46 30 13,6	13,21	0,232	−0,13	−9.9205	−9.6564	1.1208	9.8765	2702	357	iii.2618			
7242	102 8 14,3	13,22	0,361	+0,02	−9.4252	+9.1416	1.1211	9.8763	....	351	ii.2471	....	....	M 858
7243	39 46 23,6	13,22	0,204	.....	−9.9323	−9.7046	1.1211	9.8763	....	....	.....	....	....	G 3303
7244	114 50 56,0	13,24	0,387	.....	−8.8927	+9.4431	1.1218	9.8758	....	....	.....	8617		
7245	135 8 28,6	−13,27	−0,446	.....	+9.3532	+9.6710	−1.1227	−9.8751	....	....	.....	....	6940	R 530

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7246	31 Vulpeculæ	6	20 45 42,56	+2,570	+0,0002	−0,004	+8.6929	−8.7472	+0.4099	+8.3430
7247*	Aquarii	6½	45 58,09	3,202	−0,0093	.....	8.6488	8.7021	0.5054	−7.7617
7248*	Capricorni	7½	46 13,33	3,422	−0,0150	.....	8.6709	8.7233	0.5343	−8.1914
7249	19 Capricorni	6	46 19,05	3,405	−0,0145	0,000	8.6689	8.7208	0.5321	−8.1700
7250*	Octantis ..... α	4½	46 23,07	7,614	−0,3630	.....	9.3137	9.3654	0.8816	−9.3034
7251	Pavonis	6	47 40,05	5,633	−0,1436	−0,035	9.0901	9.1370	0.7508	−9.0597
7252	Capricorni	6	47 51,88	3,574	−0,0199	−0,002	8.6987	8.7448	0.5532	−8.3538
7253	57 Cygni	5	47 56,53	2,117	+0,0008	+0,003	8.7911	8.8368	0.3257	+8.6314
7254	Cygni	6	48 3,69	2,091	+0,0006	.....	8.7972	8.8425	0.3203	+8.6437
7255	Equulei	6	48 10,09	3,002	−0,0051	+0,014	8.6508	8.6957	0.4774	+7.4903
7256	32 Vulpeculæ	4½	48 10,22	2,554	+0,0005	+0,003	8.7018	8.7467	0.4072	+8.3661
7257	16 Delphini	6	48 29,28	2,860	−0,0028	+0,008	8.6600	8.7037	0.4563	+7.9779
7258	17 Delphini	6	48 30,68	2,839	−0,0025	+0,005	8.6620	8.7057	0.4532	+8.0191
7259*	Cygni	7½	48 35,11	2,119	+0,0009	+0,006	8.7924	8.8357	0.3262	+8.6327
7260	Cygni	6	48 46,17	2,235	+0,0012	.....	8.7676	8.8103	0.3494	+8.5769
7261	7 Aquarii	6	48 47,35	3,250	−0,0105	+0,001	8.6581	8.7007	0.5119	−7.9092
7262*	Cygni	7	49 1,54	1,712	−0,0033	+0,019	8.8817	8.9234	0.2334	+8.7894
7263	Capricorni	7	49 16,37	3,365	−0,0136	0,000	8.6706	8.7113	0.5270	−8.1266
7264	Indi	7	49 38,12	4,283	−0,0507	.....	8.8525	8.8919	0.6318	−8.7421
7265	Indi	6½	49 39,47	4,327	−0,0531	−0,012	8.8621	8.9013	0.6362	−8.7577
7266	Indi	6½	49 43,24	4,445	−0,0596	.....	8.8871	8.9261	0.6479	−8.7968
7267	Microscopii	6	49 59,92	4,009	−0,0374	−0,009	8.7937	8.8317	0.6031	−8.6323
7268*	Cygni	6½	50 4,16	2,019	+0,0004	.....	8.8187	8.8564	0.3052	+8.6818
7269	Equulei	6	50 17,95	3,008	−0,0052	+0,007	8.6551	8.6919	0.4783	+7.4554
7270	20 Capricorni	6	51 4,49	3,420	−0,0153	+0,006	8.6818	8.7156	0.5341	−8.2077
7271	18 Delphini	6	51 12,55	2,893	−0,0032	−0,002	8.6631	8.6964	0.4614	+7.9139
7272	Octantis	6	51 15,29	7,252	−0,3286	−0,070	9.2976	9.3307	0.8605	−9.2859
7273	Cygni	6	51 17,40	2,112	+0,0009	.....	8.8019	8.8349	0.3247	+8.6464
7274*	Cygni	7	51 30,73	1,958	−0,0001	.....	8.8365	8.8687	0.2919	+8.7118
7275	33 Vulpeculæ	5½	51 34,29	2,680	−0,0004	+0,008	8.6889	8.7209	0.4281	+8.2578
7276	1 Equulei	5½	51 34,63	3,007	−0,0052	−0,006	8.6578	8.6897	0.4781	+7.4700
7277	58 Cygni ..... ν	4	51 34,95	2,231	+0,0015	+0,003	8.7764	8.8083	0.3486	+8.5898
7278	Cygni	6	51 39,28	1,897	−0,0007	.....	8.8503	8.8820	0.2781	+8.7356
7279	8 Aquarii	6	51 39,96	3,308	−0,0122	−0,001	8.6694	8.7010	0.5196	−8.0417
7280	1 Piscis Aust.	5½	52 5,01	3,702	−0,0251	+0,003	8.7335	8.7635	0.5684	−8.4677
7281*	Cephei	5	52 16,29	1,605	−0,0051	.....	8.9142	8.9435	0.2056	+8.8344
7282	21 Capricorni	6	52 24,89	3,390	−0,0146	0,000	8.6806	8.7094	0.5302	−8.1732
7283*	10 Aquarii	6½	52 37,59	3,174	−0,0088	+0,015	8.6614	8.6894	0.5016	−7.6848
7284	11 Aquarii	6	52 39,77	3,161	−0,0085	+0,005	8.6609	8.6887	0.4999	−7.6271
7285*	Aquarii	7	52 40,83	2,952	−0,0042	.....	8.6623	8.6900	0.4701	+7.7441
7286	Microscopii	6½	52 49,16	3,863	−0,0317	+0,011	8.7695	8.7967	0.5869	−8.5694
7287	Capricorni	6	52 50,67	3,577	−0,0206	+0,012	8.7113	8.7385	0.5535	−8.3752
7288	9 Aquarii	6	52 51,93	3,316	−0,0125	+0,002	8.6728	8.6998	0.5206	−8.0598
7289*	Indi	6½	52 52,69	4,726	−0,0787	−0,051	8.9543	8.9813	0.6745	−8.8897
7290*	Cygni	•	20 52 57,78	+2,134	+0,0012	+0,016	+8.8019	−8.8286	+0.3291	+8.6428

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
7246	63 27 38,7	−13,27	−0,281	+0,01	−9.8593	−9.4708	−1.1229	−9.8749	2703	365	ii.2473			
7247	97 27 9,2	13,29	0,350	+0,09	−9.5226	+8.9342	1.1234	9.8745	....	360	iv.1669			
7248	109 21 36,4	13,30	0,374	.....	−9.2076	+9.3422	1.1240	9.8741	....	....	.....	....	....	B.F 2844
7249	108 29 13,4	13,31	0,372	−0,04	−9.2416	+9.3231	1.1242	9.8739	2700	362	ii.2474	....	....	M 859
7250	167 35 17,5	13,31	0,830	+0,58	+9.8042	+9.8118	1.1243	9.8738	....	....	ii.2472	8570		
7251	158 47 0,5	13,40	0,611	−0,41	+9.7297	+9.7943	1.1270	9.8716	....	....	.....	8611	6944	
7252	116 51 52,4	13,41	0,388	+0,16	−8.7084	+9.4803	1.1275	9.8713	....	370	ii.2475	8621	....	M 860
7253	46 10 43,5	13,42	0,230	−0,01	−9.9179	−9.6658	1.1276	9.8712	2710	383	ii.2477			
7254	45 23 5,1	13,42	0,227	.....	−9.9194	−9.6722	1.1279	9.8710	....	....	.....	....	....	G 3319
7255	86 2 13,9	13,43	0,325	+0,06	−9.6850	−8.6654	1.1281	9.8708	....	376	iii.2621	....	....	W 1127
7256	62 30 34,4	13,43	0,277	−0,04	−9.8620	−9.4901	1.1281	9.8708	2709	379	ii.2478			
7257	78 0 4,6	13,45	0,309	−0,05	−9.7625	−9.1444	1.1288	9.8702	2707	381	ii.2479			
7258	76 50 50,5	13,45	0,307	−0,04	−9.7719	−9.1837	1.1288	9.8702	2708	382	ii.2480			
7259	46 10 54,3	13,46	0,229	.....	−9.9172	−9.6671	1.1290	9.8701	2712	....	.....	....	....	G 3323
7260	49 51 56,5	13,47	0,242	.....	−9.9082	−9.6364	1.1294	9.8698	....	....	.....	....	....	G 3324
7261	100 16 11,6	13,47	0,351	+0,01	−9.4697	+9.0783	1.1294	9.8697	2706	380	ii.2481			
7262	36 3 32,4	13,49	0,185	.....	−9.9313	−9.7353	1.1299	9.8693	....	391	iii.2623	....	....	B.H 619
7263	106 36 20,2	13,50	0,363	+0,05	−9.3109	+9.2842	1.1304	9.8689	....	386	ii.2482	....	6951	M 861
7264	140 50 50,5	13,53	0,461	.....	+9.4751	+9.7185	1.1312	9.8683	....	....	.....	....	....	R 531
7265	141 50 55,3	13,53	0,466	−0,08	+9.4949	+9.7246	1.1312	9.8682	....	....	v.3241	8624	6949	
7266	144 18 57,9	13,53	0,479	.....	+9.5396	+9.7388	1.1313	9.8681	....	....	v.3242	....	6950	R 532
7267	133 35 34,8	13,55	0,431	+0,21	+9.2880	+9.6682	1.1319	9.8676	....	....	v.3243	8628	6953	
7268	43 9 4,1	13,55	0,217	−0,22	−9.9214	−9.6929	1.1321	9.8675	2720	....	.....	....	....	L 241
7269	86 22 47,7	13,57	0,323	+0,05	−9.6809	−8.6306	1.1325	9.8671	....	393	ii.2483	....	....	W 1132
7270	109 36 50,7	13,62	0,366	+0,05	−9.2106	+9.3578	1.1341	9.8658	2713	395	ii.2484	....	....	M 862
7271	79 44 15,3	13,63	0,310	+0,10	−9.7464	−9.0830	1.1344	9.8655	2716	399	ii.2485			
7272	166 47 59,0	13,63	0,776	−0,36	+9.7890	+9.8206	1.1345	9.8654	....	....	.....	8615	6952	
7273	45 39 0,9	13,63	0,226	.....	−9.9154	−9.6768	1.1346	9.8654	....	....	.....	....	....	G 3337
7274	41 22 41,2	13,65	0,209	−0,04	−9.9226	−9.7081	1.1350	9.8650	2725					
7275	68 14 59,5	13,65	0,286	−0,08	−9.8291	−9.4018	1.1351	9.8649	2719	406	ii.2488			
7276	86 16 43,0	13,65	0,321	+0,14	−9.6818	−8.6452	1.1351	9.8649	2717	404	ii.2486			
7277	49 24 28,7	13,65	0,238	−0,03	−9.9064	−9.6463	1.1352	9.8649	2724	410	ii.2489			
7278	39 50 46,2	13,66	0,203	.....	−9.9245	−9.7183	1.1353	9.8647	....	....	.....	....	....	G 3341
7279	103 37 48,0	13,66	0,353	−0,07	−9.3964	+9.2054	1.1353	9.8647	2715	402	ii.2487			
7280	122 50 23,4	13,68	0,395	−0,01	+8.5038	+9.5682	1.1362	9.8640	2714	403	iii.2627	8639	6957	
7281	33 41 18,7	13,70	0,171	+0,03	−9.9287	−9.7545	1.1366	9.8637	2727	....	ii.2493	....	....	G 3346
7282	108 6 42,6	13,70	0,361	−0,03	−9.2683	+9.3272	1.1368	9.8634	2718	409	ii.2490	....	....	M 863
7283	96 3 31,1	13,72	0,338	−0,01	−9.5496	+8.8585	1.1373	9.8630	2721	413	iii.2630			
7284	95 18 26,6	13,72	0,336	+0,17	−9.5618	+8.8013	1.1374	9.8630	2723	414	ii.2491			
7285	83 3 52,9	13,72	0,314	.....	−9.7151	−8.9170	1.1374	9.8629	....	....	.....	....	....	B.F 2867
7286	129 6 29,1	13,73	0,411	+0,28	+9.0903	+9.6353	1.1377	9.8627	....	....	v.3246	8644	6961	
7287	117 27 47,9	13,73	0,380	+0,06	−8.6902	+9.4994	1.1377	9.8626	....	411	ii.2492	8652		
7288	104 6 44,2	13,73	0,352	−0,06	−9.3860	+9.2226	1.1378	9.8626	2722	415	ii.2494	....	....	M 864
7289	149 31 13,7	13,73	0,502	−0,03	+9.6106	+9.7710	1.1378	9.8626	....	....	v.3245	8634	6960	
7290	46 6 42,0	−13,74	−0,227	.....	−9.9127	−9.6766	−1.1380	−9.8624	2726	....	.....	....	....	L 1

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7291	76 Draconis	5	20 53 7,27	−3,830	−0,5136	−0,002	+9.5149	−9.5410	−0.5832	+9.5106
7292	Microscopii .... ζ	5½	53 21,24	+3,864	−0,0318	−0,013	8.7712	8.7964	+0.5871	−8.5721
7293*	Octantis	6	53 23,09	6,403	−0,2292	.....	9.2132	9.2383	0.8064	−9.1954
7294	Cygni	6	53 41,62	1,918	−0,0004	+0,001	8.8520	8.8759	0.2829	+8.7355
7295	Indi	7	53 45,88	4,170	−0,0464	−0,019	8.8403	8.8640	0.6201	−8.7151
7296	Aquarii.....	7	53 48,61	3,282	−0,0116	−0,002	8.6714	8.6949	0.5161	−7.9991
7297	Cygni	6	54 10,56	2,267	+0,0016	.....	8.7757	8.7978	0.3555	+8.5807
7298	Indi .....μ	5½	54 10,64	+4,471	−0,0633	+0,003	8.9069	8.9290	+0.6504	−8.8220
7299*	Cephei	5	54 13,55	−2,417	−0,3064	−0,005	9.4219	9.4438	−0.3833	+9.4153
7300	Capricorni	7	54 29,57	+3,536	−0,0194	+0,017	8.7078	8.7287	+0.5485	−8.3444
7301	59 Cygni .....f'	5½	54 43,27	2,036	+0,0007	−0,004	8.8289	8.8489	0.3088	+8.6926
7302	2 Equulei.....	6	54 48,84	2,959	−0,0043	+0,002	8.6662	8.6859	0.4711	+7.7263
7303	Capricorni	7	54 53,28	3,386	−0,0146	−0,008	8.6854	8.7048	0.5296	−8,1767
7304	Indi	6	55 37,76	4,779	−0,0841	−0,047	8.9738	8.9903	0.6794	−8.9138
7305	22 Capricorni .... η	5	55 51,79	3,429	−0,0160	+0,001	8.6937	8.7094	0.5352	−8.2369
7306	60 Cygni	6	55 56,87	2,089	+0,0011	+0,002	8.8204	8.8358	0.3200	+8.6742
7307	Pavonis	6	55 57,93	5,090	−0,1072	−0,034	9.0321	9.0474	0.7067	−8.9877
7308*	Octantis	6	56 6,37	6,241	−0,2163	.....	9.2033	9.2181	0.7953	−9.1842
7309	12 Aquarii.....	5½	56 8,71	3,179	−0,0090	+0,006	8.6687	8.6833	0.5022	−7.7167
7310*	Cygni	6½	56 23,31	+1,482	−0,0077	.....	8.9528	8.9664	+0.1708	+8.8851
7311*	Draconis	6	56 25,62	−0,600	−0,1170	.....	9.2634	9.2769	−9.7784	+9.2490
7312	Capricorni	7½	56 26,23	+3,378	−0,0145	+0,006	8.6877	8.7012	+0.5287	−8.1719
7313	Cygni	6	56 35,97	2,296	+0,0019	−0,003	8.7759	8.7888	0.3610	+8.5740
7314	Microscopii .... η	5½	56 38,72	3,934	−0,0358	−0,014	8.7957	8.8084	0.5948	−8.6211
7315	Indi	7	56 53,43	4,429	−0,0622	−0,006	8.9068	8.9186	0.6464	−8.8192
7316	Microscopii .... δ	6	56 57,47	3,640	−0,0235	+0,009	8.7332	8.7447	0.5611	−8.4415
7317	Cygni	6	57 2,51	2,139	+0,0015	.....	8.8123	8.8235	0.3303	+8.6556
7318	3 Equulei.....	6	57 6,60	2,988	−0,0048	+0,006	8.6695	8.6804	0.4754	+7.6018
7319	2 Piscis Aust.	5½	57 14,01	3,690	−0,0254	+0,005	8.7442	8.7547	0.5671	−8.4795
7320*	Cygni	6½	57 15,83	2,321	+0,0018	0,000	8.7720	8.7824	0.3658	+8.5620
7321*	Indi	6	57 30,46	4,191	−0,0488	+0,006	8.8564	8.8659	0.6223	−8.7377
7322	23 Capricorni.....θ	5½	57 30,69	3,378	−0,0146	+0,009	8.6900	8.6994	0.5287	−8.1759
7323	Microscopii	6	57 39,75	4,059	−0,0421	−0,013	8.8270	8.8358	0.6084	−8.6837
7324*	4 Equulei.....	6	58 0,63	2,981	−0,0047	−0,008	8.6715	8.6790	0.4744	+7.6425
7325*	Capricorni	7	58 8,83	3,432	−0,0163	+0,004	8.6991	8.7061	0.5356	−8.2490
7326	Cygni	6	58 15,38	2,241	+0,0019	+0,009	8.7925	8.7992	0.3505	+8.6098
7327*	Microscopii	7	58 18,47	3,490	−0,0183	.....	8.7086	8.7150	0.5428	−8.3135
7328	24 Capricorni .... A	5½	58 21,01	3,527	−0,0195	+0,002	8.7151	8.7214	0.5474	−8.3507
7329	Indi	6	58 46,04	4,717	−0,0819	+0,025	8.9722	8.9768	0.6737	−8.9097
7330	Capricorni	7	58 59,57	3,410	−0,0157	−0,009	8.6976	8.7015	0.5328	−8.2251
7331	Pavonis ..... o	5½	59 10,12	5,785	−0,1731	−0,024	9.1533	9.1564	0.7623	−9.1283
7332	Cygni	6	59 12,30	1,826	−0,0013	.....	8.8893	8.8923	0.2615	+8.7899
7333	62 Cygni ..... ξ	4	59 28,61	2,177	+0,0018	+0,003	8.8106	8.8126	0.3378	+8.6471
7334	Aquarii.....	7	59 46,86	3,173	−0,0090	+0,024	8.6755	8.6763	0.5015	−7.7072
7335	25 Capricorni .... χ	5½	20 59 57,67	+3,449	−0,0170	+0,004	+8.7055	−8.7057	+0.5376	−8.2752

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7291	8 1 42,3	−13,75	+0,407	−0,03	−9.8929	−9.8318	−1.1383	−9.8621	2754	463	ii.2496			
7292	129 12 47,1	13,76	−0,410	+0,19	+9.0920	+9.6374	1.1387	9.8617	....	418	iii.2631	8653	6962	
7293	163 44 2,4	13,77	0,679	.....	+9.7608	+9.8188	1.1388	9.8617	....	....	.....	8625		
7294	40 7 12,5	13,79	0,203	+0,10	−9.9217	−9.7207	1.1394	9.8611	....	429	iii.2633	....	....	G 3352
7295	138 32 29,9	13,79	0,442	−0,20	+9.4098	+9.7121	1.1396	9.8610	....	....	.....	8650	....	R 533
7296	102 16 47,8	13,79	0,348	+0,04	−9.4307	+9.1652	1.1397	9.8609	....	423	iii.2632	....	....	M 865
7297	50 20 7,3	13,82	0,240	.....	−9.9014	−9.6432	1.1404	9.8603	....	....	.....	....	....	G 3357
7298	145 18 58,2	13,82	−0,473	+0,18	+9.5430	+9.7532	1.1404	9.8602	....	....	v.3247	8648	6964	
7299	10 0 46,8	13,82	+0,256	.....	−9.8972	−9.8316	1.1405	9.8602	2749	....	ii.2499	....	....	P941,A480
7300	115 39 46,3	13,84	−0,373	+0,13	−8.8904	+9.4754	1.1410	9.8597	....	425	iv.1701	8661		
7301	43 3 45,4	13,85	0,215	0,00	−9.9163	−9.7029	1.1415	9.8593	2732	437	iii.2635			
7302	83 24 20,9	13,86	0,312	−0,03	−9.7111	−8.8995	1.1417	9.8591	2728	431	ii.2495			
7303	108 3 23,8	13,86	0,357	+0,05	−9.2755	+9.3309	1.1418	9.8590	....	428	iii.2634			
7304	150 35 6,7	13,91	0,502	−0,25	+9.6175	+9.7811	1.1433	9.8576	....	....	v.3248	8656	6965	
7305	110 26 39,6	13,92	0,360	+0,02	−9.1909	+9.3847	1.1437	9.8572	2729	436	ii.2497	....	....	M866,J527
7306	44 25 55,7	13,93	0,219	+0,03	−9.9125	−9.6954	1.1439	9.8570	2735	446	iii.2639			
7307	154 31 38,3	13,93	0,534	+0,40	+9.6655	+9.7973	1.1439	9.8570	....	....	.....	8654	6967	
7308	163 8 2,0	13,94	0,654	.....	+9.7499	+9.8229	1.1442	9.8567	....	....	.....	8637		
7309	96 24 47,4	13,94	0,333	−0,03	−9.5452	+8.8901	1.1443	9.8567	2730	441	ii.2498			
7310	31 8 49,7	13,96	−0,155	+0,05	−9.9238	−9.7749	1.1448	9.8562	2738	....	.....	....	....	B 47
7311	14 39 21,5	13,96	+0,063	−0,04	−9.9055	−9.8282	1.1448	9.8562	2748	....	.....	....	....	G 3377
7312	107 45 15,8	13,96	−0,354	−0,07	−9.2887	+9.3268	1.1449	9.8561	....	443	iii.2640			
7313	51 4 50,6	13,97	0,240	+0,04	−9.8968	−9.6411	1.1452	9.8558	....	452	iv.1708	....	....	G 3367
7314	131 58 48,7	13,97	0,412	+0,07	+9.1965	+9.6684	1.1453	9.8558	....	439	iii.2641	8675	6970	
7315	144 48 42,2	13,99	0,463	+0,44	+9.5258	+9.7559	1.1457	9.8553	....	....	v.3249	8670	6971	R 534
7316	120 43 2,0	13,99	0,380	+0,15	−7.8513	+9.5519	1.1459	9.8552	....	444	iii.2642	8683		
7317	45 47 55,5	14,00	0,224	.....	−9.9087	−9.6872	1.1460	9.8550	....	....	.....	....	....	G 3371
7318	85 5 28,4	14,00	0,312	+0,05	−9.6935	−8.7763	1.1462	9.8549	2734	449	ii.2500			
7319	122 56 9,8	14,01	0,385	−0,05	+8.3962	+9.5795	1.1464	9.8547	2731	445	iii.2644	8685	6975	
7320	51 56 1,1	14,01	0,242	+0,02	−9.8937	−9.6342	1.1465	9.8546	2740	455	iv.1711	....	....	G 3372
7321	139 32 9,6	14,03	0,437	+0,19	+9.4186	+9.7260	1.1469	9.8542	....	....	v.3250	8678	6973	
7322	107 49 29,2	14,03	0,352	+0,03	−9.2885	+9.3306	1.1469	9.8542	2733	451	ii.2501	....	6976	M 867
7323	135 58 35,9	14,04	0.423	−0,14	+9.3263	+9.7018	1.1472	9.8539	....	....	v.3252	8682	6974	
7324	84 37 55,9	14,06	0,310	+0,14	−9.6979	−8.8167	1.1479	9.8532	2739	458	ii.2503			
7325	110 46 37,8	14,07	0,357	+0,11	−9.1841	+9.3959	1.1482	9.8530	2736	454	ii.2502	....	....	W 1142
7326	48 57 45,3	14,07	0,233	+0,04	−9.9004	−9.6634	1.1484	9.8528	....	465	iii.2645	....	....	G 3376
7327	113 44 37,8	14,08	0,363	.....	−9.0430	+9.4512	1.1485	9.8527	....	....	.....	8690		
7328	115 36 7,4	14,08	0,366	+0,02	−8.9227	+9.4819	1.1486	9.8526	2737	456	ii.2504	8689	....	M 868
7329	150 0 25,1	14,11	0,489	−0,80	+9.6008	+9.7847	1.1494	9.8518	....	....	v.3253	8680	6978	
7330	109 41 8,4	14,12	0,353	+0,10	−9.2289	+9.3750	1.1498	9.8514	....	462	iv.1717			
7331	160 43 52,2	14,13	0,599	−0,05	+9.7216	+9.8229	1.1501	9.8511	....	....	.....	8668	6977	R 535
7332	37 18 35,9	14,13	0,189	.....	−9.9177	−9.7485	1.1502	9.8510	....	....	.....	....	....	G 3383
7333	46 40 6,3	14,15	0,225	−0,02	−9.9042	−9.6850	1.1507	9.8505	2746	472	ii.2505			
7334	96 10 32,7	14,17	0,328	−0,13	−9.5506	+8.8808	1.1513	9.8499	....	470	iv.1720			
7335	111 47 30,9	−14,18	−0,356	−0,02	−9.1471	+9.4191	−1.1516	−9.8496	2741	469	ii.2506	....	....	M 869

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7336	61 Cygni	5½	21 0 10,71	+2,332	+0,0020	+0,359	+8.7773	−8.7766	+0.3678	+8.5668
7337*	Cygni	6	0 12,29	2,332	+0,0020	+0,352	8.7773	8.7766	0.3678	+8.5668
7338*	Microscopii	6½	0 17,31	3,982	−0,0391	+0,019	8.8169	8.8158	0.6001	−8.6586
7339	Indi	6½	0 21,82	4,531	−0,0704	−0,023	8.9394	8.9380	0.6562	−8.8636
7340*	Capricorni	7	0 28,87	3,495	−0,0186	.....	8.7144	8.7125	0.5435	−8.3276
7341	Indi	7	0 40,10	4,319	−0,0573	−0,010	8.8946	8.8920	0.6354	−8.7966
7342	26 Capricorni	7½	0 42,89	3,429	−0,0164	+0,008	8.7040	8.7013	0.5351	−8.2543
7343	27 Capricorni	6	0 58,07	3,435	−0,0167	+0,012	8.7055	8.7019	0.5359	−8.2629
7344	13 Aquarii ..... ν	5	1 25,13	3,270	−0,0116	+0,006	8.6856	8.6803	0.5145	−8.0026
7345	63 Cygni ..... f^2	5	1 26,02	2,062	+0,0013	+0,001	8.8427	8.8373	0.3142	+8.7072
7346	Octantis	6	1 56,17	6,818	−0,2994	+0,401	9.2920	9.2847	0.8337	−9.2789
7347*	Capricorni	7	2 1,65	3,469	−0,0179	.....	8.7132	8.7055	0.5401	−8.3052
7348	Indi	6½	2 34,28	4,436	−0,0654	+0,004	8.9262	8.9165	0.6470	−8.8427
7349	Microscopii	6½	2 34,92	3,879	−0,0347	+0,001	8.7996	8.7898	0.5888	−8.6154
7350	5 Equulei ..... γ	5	3 2,89	2,914	−0,0033	+0,009	8.6851	8.6736	0.4645	+7.9041
7351	6 Equulei	6½	3 14,01	2,916	−0,0033	+0,002	8.6854	8.6731	0.4648	+7.9002
7352	Aquarii	7	3 23,87	3,322	−0,0132	−0,005	8.6950	8.6821	0.5214	−8.1103
7353*	Microscopii	6	3 26,03	3,853	−0,0337	+0,010	8.7958	8.7827	0.5858	−8.6041
7354*	Vulpeculæ	8	3 45,73	2,698	+0,0001	0,000	8.7128	8.6985	0.4310	+8.2835
7355	Indi	6½	3 46,57	4,652	−0,0806	−0,047	8.9755	8.9612	0.6676	−8.9110
7356*	Vulpeculæ	8	3 46,82	2,698	+0,0001	+0,002	8.7128	8.6985	0.4310	+8.2835
7357	3 Piscis Aust.	6	4 22,97	3,568	−0,0218	+0,009	8.7365	8.7199	0.5525	−8.4114
7358	Indi	6	4 23,36	4,569	−0,0752	−0,024	8.9603	8.9437	0.6598	−8.8899
7359*	Capricorni	7	4 33,65	3,512	−0,0197	.....	8.7262	8.7089	0.5455	−8.3595
7360	Indi	6½	5 0,93	4,338	−0,0604	−0,032	8.9122	8.8932	0.6372	−8.8195
7361*	Vulpeculæ	8	5 11,59	2,689	+0,0002	+0,004	8.7173	8.6976	0.4295	+8.2996
7362	Capricorni	7½	5 24,17	3,459	−0,0178	−0,004	8.7188	8.6983	0.5390	−8.3076
7363	Draconis	5½	5 28,29	0,417	−0,0518	.....	9.1672	9.1465	9.6196	+9.1424
7364	Pavonis	6	5 32,43	5,076	−0,1149	−0,024	9.0626	9.0416	0.7055	−9.0210
7365	Cygni	6	5 37,64	1,849	−0,0007	+0,012	8.9039	8.8825	0.2670	+8.8059
7366*	Capricorni	7	5 57,33	3,530	−0,0205	.....	8.7327	8.7101	0.5478	−8.3825
7367	Capricorni	7	6 27,03	3,450	−0,0177	+0,005	8.7195	8.6950	0.5378	−8.3011
7368	64 Cygni ..... ζ	3	6 33,27	2,549	+0,0016	+0,001	8.7463	8.7214	0.4063	+8.4401
7369*	Indi	6	6 37,87	4,792	−0,0928	.....	9.0131	8.9879	0.6805	−8.9587
7370	Aquarii	7	6 56,21	3,195	−0,0097	+0,007	8.6901	8.6638	0.5044	−7.8174
7371	28 Capricorni .... φ	6	7 5,28	3,427	−0,0170	+0,001	8.7171	8.6902	0.5349	−8.2767
7372	7 Equulei ..... δ	4½	7 10,57	2,919	−0,0033	+0,008	8.6925	8.6652	0.4652	+7.9056
7373	Cygni	6	7 25,49	2,406	+0,0025	+0,012	8.7792	8.7510	0.3813	+8.5486
7374	29 Capricorni	5	7 26,45	3,329	−0,0137	+0,005	8.7038	8.6755	0.5223	−8.1386
7375	Indi	6	7 38,27	4,134	−0,0495	0,000	8.8734	8.8445	0.6164	−8.7534
7376	Octantis	6	7 58,34	7,070	−0,3516	−0,077	9.3410	9.3108	0.8494	−9.3300
7377	Cephei	5	7 59,11	1,531	−0,0066	+0,011	8.9809	8.9506	0.1848	+8.9156
7378	Capricorni	7½	8 8,87	3,417	−0,0166	−0,015	8.7176	8.6866	0.5336	−8.2678
7379	14 Aquarii	7	8 14,66	3,229	−0,0107	+0,004	8.6949	8.6636	0.5090	−7.9275
7380	8 Equulei ..... α	4½	21 8 19,57	+2,997	−0,0048	+0,008	+8.6900	−8.6584	+0.4767	+7.5970

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7336	51 59 8,0	−14,19	−0,240	−3,30	−9.8904	−9.6393	−1.1520	−9.8492	2744	475	iii.2647			
7337	51 59 11,1	14,19	0,240	−3,03	−9.8904	−9.6393	1.1521	9.8491	2745	476	iii.2648	....	....	P946, A482
7338	133 59 13,2	14,20	0,410	+0,22	+9.2512	+9.6917	1.1523	9.8489	....	....	v.3256	8700	6982	
7339	147 7 13,7	14,20	0,467	−0,24	+9.5530	+9.7744	1.1524	9.8488	....	....	v.3255	8692	6981	
7340	114 13 54,7	14,21	0,360	.....	−9.0257	+9.4636	1.1526	9.8486	....	....	.....	8704		
7341	142 56 17,9	14,22	0,444	−0,46	+9.4787	+9.7528	1.1530	9.8482	....	....	.....	8698	....	R 536
7342	110 47 46,6	14,23	0,353	−0,02	−9.1915	+9.4011	1.1531	9.8481	2742	474	iii.2651			
7343	111 9 16,7	14,24	0,353	+0,09	−9.1778	+9.4087	1.1535	9.8476	2743	478	ii.2507	....	....	M 870
7344	101 58 32,4	14,27	0,335	−0,01	−9.4451	+9.1692	1.1544	9.8468	2747	485	ii.2508	....	....	M871, J528
7345	42 57 7,8	14,27	0,211	−0,01	−9.9085	−9.7166	1.1544	9.8468	2750	491	ii.2509			
7346	165 57 24,3	14,30	0,697	−0,60	+9.7595	+9.8399	1.1553	9.8458	....	....	.....	8671	6983	
7347	113 0 24,9	14,31	0,355	.....	−9.0986	+9.4453	1.1555	9.8456	....	....	.....	8716		
7348	145 36 6,5	14,34	0,452	+0,29	+9.5208	+9.7708	1.1565	9.8446	....	....	.....	8709	....	R 537
7349	130 52 11,2	14,34	0,396	+0,22	+9.1113	+9.6701	1.1565	9.8445	....	....	v.3257	8715	6986	
7350	80 28 11,1	14,37	0,297	+0,17	−9.7352	−9.0742	1.1574	9.8436	2751	6	ii.2510			
7351	80 33 39,9	14,38	0,296	+0,02	−9.7343	−9.0704	1.1578	9.8433	2752	10	iii.2655			
7352	105 5 1,5	14,39	0,337	+0,13	−9.3760	+9.2712	1.1581	9.8430	....	7	iii.2656	....	....	M 872
7353	130 1 48,2	14,39	0,391	+0,10	+9.0630	+9.6642	1.1581	9.8429	....	2	iii.2654	8719	6987	
7354	68 9	14,41	0,274	.....	−9.8206	−9.4273	1.1587	9.8422	2755	....	.....	....	....	B 48
7355	149 32 30,1	14,41	0,472	+0,02	+9.5791	+9.7920	1.1588	9.8422	....	....	v.3259	8714	6990	
7356	68 9 15,4	14,41	0,274	.....	−9.8205	−9.4272	1.1588	9.8422	2756	....	.....	....	....	B 49
7357	118 13 36,5	14,45	0,361	+0,07	−8.7356	+9.5325	1.1599	9.8410	2753	12	ii.2511	8731		
7358	148 14 47,7	14,45	0,462	+0,06	+9.5578	+9.7872	1.1599	9.8410	....	....	v.3258	8718	6989	
7359	115 27 23,5	14,46	0,355	.....	−8.9731	+9.4913	1.1602	9.8407	....	....	.....	8734		
7360	143 52 47,6	14,49	0,437	+0,25	+9.4812	+9.7661	1.1610	9.8398	....	....	v.3260	8727	6992	
7361	67 31 44,9	14,50	0,271	+0,01	−9.8229	−9.4414	1.1613	9.8394	2757	25	iv.1747			
7362	112 49 35,1	14,51	0,348	+0,05	−9.1212	+9.4483	1.1617	9.8390	....	18	iii.2659	8740	....	M 873
7363	19 10 4,7	14,52	0,042	.....	−9.9000	−9.8348	1.1618	9.8389	....	....	.....	....	....	G 3409
7364	155 18 1,0	14,52	0,511	−0,03	+9.6488	+9.8181	1.1620	9.8387	....	....	v.3262	8721	6994	
7365	37 2 52,9	14,53	0,186	+0,06	−9.9095	−9.7620	1.1621	9.8386	....	32	iv.1750	....	....	G 3408
7366	116 31 1,6	14,55	0,354	.....	−8.9080	+9.5103	1.1627	9.8379	....	....	.....	8741		
7367	112 25 55,8	14,57	0,346	+0,06	−9.1430	+9.4430	1.1636	9.8369	....	27	iv.1753			
7368	60 23 8,7	14,58	0,255	+0,06	−9.8553	−9.5554	1.1638	9.8367	2760	35	ii.2512			
7369	151 56 6,3	14,59	0,480	.....	+9.6036	+9.8074	1.1639	9.8366	....	....	.....	8733		
7370	97 42 14,3	14,60	0,319	−0,01	−9.5291	+8.9895	1.1645	9.8359	....	34	iii.2664			
7371	111 16 12,4	14,61	0,342	−0,07	−9.1929	+9.4221	1.1647	9.8356	2758	33	ii.2514	....	....	M 874
7372	80 35 52,5	14,62	0,291	+0,28	−9.7323	−9.0758	1.1649	9.8355	2761	38	ii.2515			
7373	53 58 59,2	14,63	0,240	−0,02	−9.8769	−9.6325	1.1653	9.8350	....	43	iii.2665			
7374	105 47 28,9	14,63	0,332	−0,03	−9.3646	+9.2979	1.1654	9.8349	2759	37	ii.2516	....	....	J 529
7375	139 20 15,3	14,65	0,412	+0,29	+9.3718	+9.7435	1.1657	9.8345	....	....	v.2363	8743	6999	
7376	167 9 13,8	14,67	0,703	−0,48	+9.7547	+9.8531	1.1663	9.8338	....	....	.....	8713	6997	
7377	30 37 45,6	14,67	0,152	+0,04	−9.9074	−9.7988	1.1662	9.8338	....	51	iv.1759	....	....	G 3415
7378	110 47 40,9	14,68	0,340	+0,19	−9.2141	+9.4146	1.1666	9.8335	....	41	iv.1757			
7379	99 50 14,4	14,68	0,321	+0,08	−9.4930	+9.0972	1.1668	9.8333	2763	44	iii.2666			
7380	85 22 10,8	−14,69	−0,298	+0,08	−9.6880	−8.7717	−1.1669	−9.8331	2764	47	ii.2517			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7381*	77 Draconis	5½	21 8 22,65	−1,041	−0,1722	−0,005	+9.3539	−9.3222	−0.0173	+9.3435
7382	Aquarii	7	8 26,67	+3,228	−0,0107	+0,012	8.6952	8.6632	+0.5089	−7.9254
7383	Cygni	7	8 33,99	2,293	+0,0028	+0,019	8.8082	8.7757	0.3604	+8.6209
7384	Octantis	6	8 39,57	10,841	−1,1407	−0,137	9.6240	9.5912	1.0351	−9.6211
7385	65 Cygni .....τ	5	8 48,27	2,376	+0,0027	+0,015	8.7895	8.7561	0.3758	+8.5730
7386	4 Piscis Aust.	5	8 50,13	3,656	−0,0260	+0,009	8.7649	8.7314	0.5630	−8.4986
7387	Cephei	6	8 58,39	1,531	−0,0066	+0,018	8.9840	8.9500	0.1850	+8.9193
7388	Indi .....θ	5½	9 8,30	4,322	−0,0614	−0,020	8.9216	8.8869	0.6357	−8.8300
7389	Gruis	6½	9 15,50	4,066	−0,0462	+0,007	8.8621	8.8269	0.6092	−8.7309
7390	30 Capricorni	6	9 32,20	3,375	−0,0153	+0,002	8.7141	8.6779	0.5283	−8.2180
7391	31 Capricorni	6½	9 51,71	3,366	−0,0151	+0,005	8.7133	8.6759	0.5271	−8.2053
7392	Capricorni	7	9 55,35	+3,417	−0,0168	−0,010	8.7211	8.6835	+0.5336	−8.2747
7393	Draconis	6	10 16,23	−0,211	−0,0976	.....	9.2687	9.2297	−9.3241	+9.2528
7394	15 Aquarii	6½	10 18,47	+3,152	−0,0085	−0,001	8.6938	8.6547	+0.4986	−7.6467
7395	Octantis	6	10 47,91	5,914	−0,2055	−0,100	9.2134	9.1724	0.7719	−9.1926
7396	Capricorni	7	10 54,61	3,342	−0,0144	−0,003	8.7121	8.6707	0.5240	−8.1732
7397	Microscopii ....θ¹	5½	11 9,11	3,864	−0,0361	+0,016	8.8187	8.7764	0.5870	−8.6394
7398*	67 Cygni .....σ	4½	11 31,69	2,350	+0,0030	+0,003	8.8023	8.7585	0.3711	+8.5990
7399	66 Cygni .....υ	4½	11 45,12	2,460	+0,0026	+0,002	8.7774	8.7328	0.3910	+8.5280
7400	Capricorni	7½	12 31,52	3,421	−0,0172	+0,016	8.7271	8.6795	0.5342	−8.2902
7401	Cephei	5½	12 45,33	1,790	−0,0012	+0,009	8.9395	8.8911	0.2528	+8.8538
7402*	68 Cygni .....A	6	12 51,63	2,231	+0,0030	−0,001	8.8346	8.7857	0.3484	+8.6709
7403	Octantis	6	13 2,94	8,497	−0,6223	−0,102	9.4876	9.4381	0.9293	−9.4819
7404	16 Aquarii	6	13 12,35	3,152	−0,0086	0,000	8.6988	8.6487	0.4985	−7.6557
7405	9 Equulei	6	13 39,54	2,966	−0,0040	+0,004	8.7008	8.6489	0.4722	+7.7692
7406	Indi	6	13 40,96	4,485	−0,0748	−0,016	8.9723	8.9203	0.6517	−8.9002
7407	32 Capricorni .... ι	5	13 53,46	3,350	−0,0148	+0,007	8.7187	8.6659	0.5250	−8.1961
7408*	Aquarii	7	13 55,39	3,226	−0,0108	+0,001	8.7048	8.6519	0.5087	−7.9429
7409*	Pavonis .....γ	3	13 58,74	5,065	−0,1221	+0,016	9.0897	9.0366	0.7045	−9.0506
7410*	34 Vulpeculæ.....	5½	14 17,37	2,691	+0,0008	.....	8.7356	8.6813	0.4299	+8.3315
7411	Cygni	6	14 18,94	2,058	+0,0023	.....	8.8809	8.8265	0.3133	+8.7579
7412	Gruis	6½	14 21,08	4,027	−0,0458	−0,003	8.8672	8.8127	0.6050	−8.7331
7413	Capricorni	6	14 24,21	3,452	−0,0184	+0,009	8.7360	8.6813	0.5380	−8.3333
7414	Microscopii ....θ²	6	14 50,11	3,855	−0,0365	+0,007	8.8263	8.7699	0.5860	−8.6488
7415	17 Aquarii	6	14 53,69	3,225	−0,0107	−0,003	8.7065	8.6498	0.5086	−7.9443
7416	5 Cephei .....α	3	14 59,60	1,416	−0,0097	+0,023	9.0277	8.9707	0.1511	+8.9735
7417*	Cephei	6	15 5	1,660	−0,0035	.....	8.9760	8.9186	0.2202	+8.9044
7418	1 Pegasi	4	15 9,08	2,764	−0,0002	+0,012	8.7251	8.6675	0.4416	+8.2413
7419	Capricorni	7	15 12,48	3,497	−0,0204	+0,001	8.7461	8.6883	0.5437	−8.3855
7420	Indi	6	15 17,94	5,509	−0,1676	+0,068	9.1696	9.1114	0.7411	−9.1430
7421	10 Equulei .....β	5½	15 26,93	2,976	−0,0041	+0,008	8.7033	8.6446	0.4736	+7.7349
7422	Capricorni	7½	15 31,39	3,503	−0,0206	+0,001	8.7480	8.6890	0.5445	−8.3929
7423	Indi .....γ	5	15 31,42	4,341	−0,0658	−0,004	8.9456	8.8866	0.6376	−8.8606
7424	Capricorni	7	15 32,41	3,451	−0,0185	−0,008	8.7382	8.6791	0.5379	−8.3369
7425	33 Capricorni	6	21 15 38,76	+3,417	−0,0173	−0,001	+8.7324	−8.6729	+0.5336	−8.2962

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7381	12 28 59,6	−14,69	+0,103	−0,03	−9.8800	−9.8544	−1.1670	−9.8330	2777	72	iii.2669	....	....	G 3419
7382	99 46 54,9	14,69	−0,320	+0,22	−9.4943	+9.0951	1.1671	9.8329	....	45	iii.2667			
7383	49 28 26,1	14,70	0,228	−0,01	−9.8876	−9.6779	1.1674	9.8326	....	50	iii.2668	....	....	A 485
7384	173 19 38,3	14,71	1,075	+0,30	+9.7958	+9.8623	1.1675	9.8324	....	....	.....	8672	6996	
7385	52 35 30,8	14,72	0,235	−0,51	−9.8793	−9.6491	1.1678	9.8321	2767	54	ii.2519			
7386	122 47 46,1	14,72	0,362	+0,06	+7.5052	+9.5993	1.1678	9.8321	2762	46	ii.2518	8761	7002	J 530
7387	30 31 12,7	14,73	0,152	+0,03	−9.9059	−9.8011	1.1681	9.8318	....	61	iv.1763	....	....	G 3416
7388	144 4 25,0	14,74	0,428	+0,25	+9.4694	+9.7745	1.1684	9.8315	....	....	v.3264	8753	7003	R 538
7389	137 40 42,4	14,74	0,402	+0,11	+9.3204	+9.7352	1.1686	9.8312	....	....	v.3265	8759	7004	
7390	108 36 32,0	14,76	0,333	−0,07	−9.2905	+9.3708	1.1690	9.8306	2765	52	ii.2520	....	....	M 875
7391	108 5 12,9	14,78	0,332	−0,08	−9.3066	+9.3594	1.1696	9.8300	2766	56	ii.2521			
7392	110 57 38,7	14,78	−0,337	+0,10	−9.2133	+9.4211	1.1697	9.8298	....	57	iii.2671	....	....	M 876
7393	15 22 15,9	14,80	+0,021	.....	−9.8840	−9.8523	1.1703	9.8291	....	....	.....	....	....	G 3426
7394	95 8 51,4	14,80	−0,310	+0,01	−9.5702	+8.8211	1.1704	9.8291	2768	60	iii.2672			
7395	162 26 28,4	14,83	0,581	+0,90	+9.7083	+9.8483	1.1712	9.8280	....	....	.....	8744	7006	
7396	106 48 24,5	14,84	0,328	+0,10	−9.3442	+9.3303	1.1714	9.8278	....	66	ii.2522	....	....	B.F 2901
7397	131 26 26,0	14,85	0,379	+0,10	+9.0770	+9.6904	1.1718	9.8273	....	64	iii.2673	8773	7010	
7398	51 13 54,3	14,88	0,230	+0,01	−9.8798	−9.6670	1.1725	9.8265	2769	74	ii.2523	....	....	G 3423
7399	55 43 49,3	14,89	0,240	−0,02	−9.8668	−9.6212	1.1729	9.8260	2770	76	ii.2524			
7400	111 27 2,1	14,93	0,333	+0,13	−9.2036	+9.4351	1.1742	9.8244	....	75	iii.2676	....	....	M878, A487
7401	34 49 55,1	14,95	0,174	+0,11	−9.9004	−9.7866	1.1746	9.8239	....	86	iv.1778	....	....	G 3428
7402	46 40 59,7	14,95	0,217	.....	−9.8881	−9.7089	1.1748	9.8237	2775	....	.....	....	....	G 3427
7403	170 41 5,5	14,97	0,825	−0,28	+9.7684	+9.8671	1.1751	9.8233	....	....	.....	8732	7009	
7404	95 11 42,5	14,97	0,306	+0,03	−9.5705	+8.8300	1.1753	9.8230	2771	81	ii.2525			
7405	83 16 40,4	15,00	0,287	−0,01	−9.7065	−8.9423	1.1761	9.8220	2774	85	ii.2527			
7406	147 53 28,5	15,00	0,434	−0,33	+9.5205	+9.8018	1.1761	9.8219	....	....	v.3266	8784	7013	
7407	107 28 10,2	15,01	0,324	−0,06	−9.3322	+9.3517	1.1765	9.8215	2772	84	ii.2528	....	....	M879, J532
7408	99 57 44,0	15,02	0,312	.....	−9.4951	+9.1124	1.1766	9.8214	2773	....	ii.2529	....	....	W 1152
7409	156 2 27,5	15,02	0,490	−0,71	+9.6329	+9.8353	1.1766	9.8213	....	....	ii.2526	8778	7014	J 531
7410	66 46 14,1	15,04	0,260	.....	−9.8194	−9.4709	1.1772	9.8206	....	....	.....	....	....	B.F 2912
7411	41 7 21,5	15,04	0,199	.....	−9.8942	−9.7520	1.1772	9.8206	....	....	.....	....	....	G 3432
7412	137 15 9,8	15,04	0,389	+0,01	+9.2815	+9.7410	1.1773	9.8205	....	....	v.3267	8788	7015	
7413	113 18 19,2	15,04	0,333	−0,01	−9.1367	+9.4724	1.1774	9.8204	....	87	ii.2530	8794	....	W 1153
7414	131 38 45,5	15,07	0,371	+0,11	+9.0577	+9.6984	1.1781	9.8195	....	89	iii.2678	8793		
7415	99 57 23,5	15,07	0,310	+0,05	−9.4960	+9.1138	1.1782	9.8193	2776	92	ii.2531			
7416	28 2 55,2	15,08	0,136	−0,01	−9.8954	−9.8219	1.1783	9.8191	2786	105	ii.2536			
7417	32 0	15,08	0,160	.....	−9.8970	−9.8047	1.1785	9.8189	....	....	.....	....	....	A
7418	70 50 4,3	15,09	0,266	−0,09	−9.7967	−9.3927	1.1786	9.8188	2780	100	ii.2534			
7419	115 50 28,1	15,09	0,336	+0,14	−9.0149	+9.5158	1.1787	9.8187	....	93	ii.2532	8800	....	W 1155
7420	160 8 56,3	15,10	0,529	−0,01	+9.6738	+9.8500	1.1788	9.8185	....	....	.....	8782	7016	
7421	83 49 36,0	15,10	0,286	−0,05	−9.7009	−8.9084	1.1791	9.8181	2779	102	ii.2535			
7422	116 11 59,5	15,11	0,336	+0,04	−8.9961	+9.5219	1.1792	9.8180	....	96	iv.1785	8801		
7423	145 18 18,9	15,11	0,416	+0,16	+9.4679	+9.7920	1.1792	9.8180	....	....	ii.2533	8792	7017	J 533
7424	113 23 7,9	15,11	0,331	+0,05	−9.1377	+9.4757	1.1792	9.8179	....	97	iii.2679	8802	....	M 880
7425	111 29 7,2	−15,12	−0,328	+0,07	−9.2125	+9.4410	−1.1794	−9.8177	2778	99	ii.2537	....	....	M 881

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7426	Capricorni	7	21 15 40,51	+3,481	−0,0197	+0,030	+8.7441	−8.6845	+0.5418	−8.3711
7427	18 Aquarii.....	6	15 59,53	3,282	−0,0126	+0,009	8.7139	8.6531	0.5161	−8.0826
7428	6 Cephei	5	16 15,07	1,256	−0,0150	+0,003	9.0640	9.0022	0.0988	+9.0185
7429	Gruis.....	6	16 41,75	3,998	−0,0449	−0,024	8.8667	8.8032	0.6019	−8.7287
7430*	Cephei	6	16 43	1,549	−0,0061	.....	9.0057	8.9421	0.1899	+8.9438
7431	Cygni	6	16 47,63	2,075	+0,0026	.....	8.8839	8.8200	0.3169	+8.7600
7432	Microscopii	6½	16 59,94	3,764	−0,0325	+0,018	8.8096	8.7450	0.5757	−8.6035
7433	20 Aquarii.....	6½	17 2,69	3,132	−0,0081	+0,004	8.7045	8.6396	0.4959	−7.5521
7434	Capricorni	7½	17 6,09	3,494	−0,0204	+0,020	8.7494	8.6843	0.5433	−8.3894
7435	19 Aquarii.....	6	17 9,12	3,230	−0,0110	+0,001	8.7108	8.6455	0.5093	−7.9666
7436*	Capricorni	7	17 10,31	3,467	−0,0194	.....	8.7445	8.6791	0.5400	−8.3616
7437	Vulpeculæ.....	6	17 13,44	+2,689	+0,0010	+0,015	8.7417	8.6762	+0.4296	+8.3448
7438*	Draconis	6	17 15,77	−0,527	−0,1319	+0,063	9.3318	9.2661	−9.7215	+9.3194
7439	Microscopii	6	17 23,65	+3,888	−0,0390	+0,014	8.8412	8.7750	+0.5898	−8.6766
7440	21 Aquarii.....	6	17 27,47	3,135	−0,0082	+0,001	8.7053	8.6388	0.4962	−7.5696
7441	Octantis	6	17 27,56	6,220	−0,2565	+0,051	9.2784	9.2120	0.7938	−9.2624
7442	Capricorni	7½	17 28,16	3,479	−0,0198	+0,005	8.7473	8.6808	0.5415	−8.3753
7443*	Indi	6½	17 43,28	4,222	−0,0590	+0,004	8.9245	8.8571	0.6256	−8.8266
7444	Vulpeculæ.....	6	17 54,34	2,656	+0,0015	−0,005	8.7494	8.6813	0.4242	+8.3839
7445	34 Capricorni .... ζ	4	18 5,75	3,440	−0,0184	+0,003	8.7413	8.6724	0.5366	−8.3342
7446	Indi	6½	18 24,02	4,279	−0,0631	−0,014	8.9401	8.8701	0.6313	−8.8500
7447	35 Capricorni	6	18 44,25	3,417	−0,0176	+0,002	8.7385	8.6672	0.5337	−8.3091
7448	Cygni	6	18 56,18	2,003	+0,0022	.....	8.9077	8.8356	0.3017	+8.7983
7449	Cephei	6	19 13,70	1,334	−0,0125	+0,007	9.0587	8.9855	0.1250	+9.0108
7450*	Pegasi	7	19 28,67	2,778	−0,0001	.....	8.7310	8.6568	0.4438	+8.2376
7451	Aquarii.....	7	19 30,93	3,259	−0,0120	+0,011	8.7175	8.6432	0.5130	−8.0464
7452*	Indi	7	19 38,81	4,204	−0,0587	.....	8.9259	8.8511	0.6237	−8.8270
7453	69 Cygni	6½	19 39,49	2,445	+0,0034	+0,001	8.7998	8.7249	0.3882	+8.5692
7454	Octantis	6	19 42,83	8,002	−0,5579	−0,070	9.4724	9.3973	0.9032	−9.4659
7455*	Cygni	6½	19 48,13	2,178	+0,0035	+0,001	8.8666	8.7912	0.3380	+8.7240
7456	Aquarii.....	7	19 56,57	3,262	−0,0121	−0,008	8.7186	8.6427	0.5135	−8.0566
7457	Indi	neb.	19 59,92	4,421	−0,0740	−0,096	8.9784	8.9022	0.6456	−8.9046
7458*	5 Piscis Aust.	6	20 5,51	3,605	−0,0256	+0,006	8.7794	8.7028	0.5569	−8.5022
7459	Aquarii.....	7½	20 6,34	3,257	−0,0120	−0,001	8.7183	8.6417	0.5128	−8.0438
7460	36 Capricorni .... *b*	5½	20 9,89	3,426	−0,0181	+0,013	8.7427	8.6659	0.5347	−8.3247
7461	35 Vulpeculæ.....	6	21 4,07	2,636	+0,0020	+0,012	8.7598	8.6795	0.4209	+8.4162
7462	70 Cygni	5½	21 14,71	2,440	+0,0036	+0,009	8.8048	8.7238	0.3873	+8.5788
7463	Capricorni	7	21 33,97	3,378	−0,0163	−0,004	8.7371	8.6549	0.5286	−8.2670
7464	Indi	7	21 43,04	4,567	−0,0862	−0,046	9.0166	8.9338	0.6596	−8.9557
7465	Cygni	6½	21 43,99	2,547	+0,0029	+0,016	8.7805	8.6976	0.4061	+8.4994
7466	Capricorni	7	21 45,72	3,483	−0,0205	+0,006	8.7567	8.6737	0.5420	−8.3962
7467*	Capricorni	7	21 46,22	3,483	−0,0205	.....	8.7567	8.6737	0.5419	−8.3960
7468	Cygni	6½	21 49,27	1,971	+0,0021	+0,042	8.9241	8.8409	0.2948	+8.8221
7469	Cygni	6½	22 0,14	2,197	+0,0038	+0,005	8.8677	8.7838	0.3419	+8.7229
7470	Capricorni	7	21 22 26,96	+3,297	−0,0134	−0,006	+8.7270	−8.6413	+0.5181	−8.1384

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7426	115 3 46,2	−15,12	−0,334	+0,15	−9.0596	+9.5042	−1.1795	−9.8177	....	98	iv.1786	8803		
7427	103 31 3,1	15,14	0,314	−0,06	−9.4289	+9.2465	1.1800	9.8170	2781	104	ii.2538	....	....	M 882
7428	25 45 47,3	15,15	0,120	0,00	−9.8914	−9.8327	1.1804	9.8164	2788	117	ii.2539			
7429	136 42 19,4	15,18	0,381	−0,07	+9.2509	+9.7410	1.1811	9.8154	....	....	v.3268	8805	7019	
7430	29 52	15,18	0,148	.....	−9.8938	−9.8171	1.1812	9.8154	....	....	.....	....	....	A
7431	41 15 11,8	15,18	0,198	.....	−9.8906	−9.7552	1.1813	9.8152	....	....	.....	....	....	G 3441
7432	128 28 20,4	15,19	0,358	−0,07	+8.8215	+9.6733	1.1816	9.8148	....	....	v.3269	8808	7020	
7433	94 2 16,2	15,20	0,298	0,00	−9.5876	+8.7272	1.1817	9.8147	2783	109	iii.2680			
7434	115 52 53,3	15,20	0,332	+0,02	−9.0237	+9.5196	1.1818	9.8145	....	108	iv.1789	8812		
7435	100 23 3,6	15,20	0,307	+0,17	−9.4904	+9.1356	1.1819	9.8144	2782	110	ii.2540			
7436	114 27 52,5	15,20	0,330	.....	−9.0966	+9.4968	1.1819	9.8144	....	....	.....	8813		
7437	66 22 2,0	15,21	−0,256	−0,06	−9.8189	−9.4828	1.1820	9.8143	....	114	ii.2541			
7438	13 37 10,8	15,21	+0,050	−0,02	−9.8667	−9.8675	1.1821	9.8142	2796	137	iv.1794	....	....	G 3452
7439	133 11 37,3	15,22	−0,369	+0,06	+9.1123	+9.7154	1.1823	9.8139	....	107	iii.2681	8809	7021	
7440	94 11 47,0	15,22	0,298	+0,01	−9.5856	+8.7445	1.1824	9.8137	2784	113	ii.2542			
7441	164 32 44,0	15,22	0,591	+0,54	+9.7094	+9.8642	1.1824	9.8137	....	....	.....	8786	7018	
7442	115 7 44,2	15,22	0,330	+0,16	−9.0660	+9.5082	1.1824	9.8137	....	111	iv.1792	8814		
7443	142 56 58,7	15,23	0,401	+0,29	+9.4110	+9.7827	1.1828	9.8132	....	....	v.3270	8807	7022	
7444	64 28 10,2	15,24	0,252	+0,11	−9.8271	−9.5154	1.1831	9.8128	....	120	ii.2544	....	....	W 1161
7445	113 3 26,6	15,26	0,326	−0,05	−9.1617	+9.4741	1.1834	9.8123	2785	118	ii.2543	8815	....	M 883, J 534
7446	144 21 11,4	15,27	0,404	0,00	+9.4374	+9.7916	1.1839	9.8117	....	....	v.3271	8811	7024	
7447	111 50 28,7	15,29	0,322	−0,01	−9.2098	+9.4528	1.1845	9.8109	2787	122	ii.2545			
7448	38 59 10,3	15,30	0,189	.....	−9.8895	−9.7732	1.1848	9.8105	....	....	.....	....	....	G 3453
7449	26 24 58,3	15,32	0,126	−0,13	−9.8871	−9.8351	1.1852	9.8098	....	142	iii.2686			
7450	71 16 15,3	15,33	0,261	.....	−9.7910	−9.3901	1.1856	9.8092	....	....	.....	....	....	B.F 2925
7451	102 18 43,4	15,34	0,306	+0,08	−9.4573	+9.2123	1.1857	9.8092	....	126	iii.2685			
7452	142 46 43,2	15,34	0,395	.....	+9.3985	+9.7848	1.1859	9.8089	....	....	.....	8819	....	R 539
7453	53 58 40,8	15,34	0,230	−0,01	−9.8631	−9.6532	1.1859	9.8088	2791	136	iii.2687			
7454	170 6 2,0	15,35	0,751	−0,19	+9.7479	+9.8773	1.1860	9.8087	....	....	.....	8783	7023	
7455	43 56 2,7	15,35	0,204	−0,05	−9.8834	−9.7414	1.1862	9.8085	2792	140	iv.1802	....	....	G 3459
7456	102 34 36,8	15,36	0,306	+0,08	−9.4526	+9.2221	1.1864	9.8082	....	130	iv.1800			
7457	147 32 3,8	15,36	0,415	−0,74	+9.4905	+9.8105	1.1865	9.8081	....	....	.....	8820	7028	
7458	121 53 19,2	15,37	0,338	+0,07	−8.4639	+9.6073	1.1866	9.8079	2789	129	iii.2689	8825	7030	
7459	102 12 57,5	15,37	0,305	+0,13	−9.4597	+9.2099	1.1866	9.8078	....	134	iii.2690	....	....	M 885
7460	112 27 22,2	15,37	0,321	−0,04	−9.1926	+9.4666	1.1867	9.8077	2790	132	ii.2546	....	....	M 884
7461	63 2 30,0	15,42	0,246	−0,07	−9.8303	−9.5424	1.1882	9.8056	2793	149	iii.2691			
7462	53 31 58,2	15,43	0,227	+0,02	−9.8625	−9.6603	1.1884	9.8052	....	150	iii.2692			
7463	109 48 3,5	15,45	0,314	+0,19	−9.2840	+9.4166	1.1890	9.8045	....	145	ii.2547	....	....	M 886
7464	150 21 17,5	15,46	0,424	−0,36	+9.5301	+9.8260	1.1892	9.8042	....	....	iii.3274	8826	7031	R 540
7465	58 25 41,9	15,46	0,237	−0,09	−9.8471	−9.6060	1.1892	9.8041	....	153	iv.1811			
7466	115 50 48,8	15,46	0,324	+0,07	−9.0523	+9.5265	1.1893	9.8041	....	148	ii.2548	....	....	W 1164
7467	115 50 5,8	15,46	0,324	.....	−9.0535	+9.5263	1.1893	9.8040	....	....	.....	8832		
7468	37 45 5,6	15,47	0,183	+0,01	−9.8860	−9.7851	1.1894	9.8039	....	156	iv.1812	....	....	G 3467
7469	44 14 6,9	15,48	0,204	+0,05	−9.8799	−9.7426	1.1896	9.8035	....	157	iii.2693			
7470	104 56 45,5	−15,50	−0,305	+0,14	−9.4076	+9.2996	−1.1903	−9.8025	....	154	ii.2549	....	....	M 887

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7471	Microscopii	5½	21 22 34,50	+3,830	−0,0373	−0,022	+8.8400	−8.7539	+0.5832	−8.6641
7472	Indi	6½	22 51,99	4,210	−0,0606	+0,019	8.9372	8.8500	0.6243	−8.8418
7473	Capricorni	7½	22 59,69	3,377	−0,0164	−0,003	8.7396	8.6519	0.5285	−8.2715
7474	2 Pegasi	5½	23 9,43	2,712	+0,0012	+0,006	8.7490	8.6607	0.4333	+8.3406
7475	6 Piscis Aust.	6	23 9,77	3,654	−0,0284	+0,009	8.7977	8.7093	0.5627	−8.5519
7476	Cephei	6	23 17,30	1,659	−0,0032	+0,015	9.0027	8.9138	0.2200	+8.9362
7477	Cygni	6	23 34,09	2,265	+0,0041	.....	8.8545	8.7646	0.3551	+8.6938
7478	22 Aquarii.....β	3	23 39,53	3,163	−0,0090	+0,005	8.7165	8.6262	0.5000	−7.7518
7479	Capricorni	6	23 54,37	3,468	−0,0202	+0,012	8.7579	8.6666	0.5400	−8.3879
7480	71 Cygni .....*g*	5	23 54,95	2,203	+0,0041	+0,003	8.8716	8.7803	0.3429	+8.7276
7481*	Octantis .....*ν*	6	24 30,76	7,033	−0,3994	−0,041	9.3989	9.3053	0.8471	−9.3894
7482	7 Cephei	5½	24 51,65	1,176	−0,0186	−0,003	9.1091	9.0141	0.0703	+9.0703
7483	Cygni	6	25 20,27	+1,990	+0,0025	.....	8.9300	8.8332	+0.2988	+8.8283
7484	Draconis	7	25 21,98	−4,396	−0,8115	−0,005	9.6705	9.5736	−0.6431	+9.6678
7485	Capricorni	7	25 22,71	+3,324	−0,0145	−0,002	8.7356	8.6386	+0.5216	−8.1980
7486	Indi	6	25 59,90	4,896	−0,1185	−0,034	9.0996	9.0002	0.6899	−9.0586
7487	Capricorni	6½	26 5,62	3,280	−0,0130	+0,011	8.7310	8.6312	0.5159	−8.1191
7488	Cygni	6	26 13,13	2,024	+0,0030	.....	8.9239	8.8237	0.3063	+8.8177
7489	Cygni	6	26 25,00	2,009	+0,0029	.....	8.9283	8.8273	0.3030	+8.8246
7490	37 Capricorni	7	26 25,33	3,385	−0,0170	+0,002	8.7472	8.6462	0.5296	−8.2966
7491*	38 Capricorni	7	26 28,49	3,388	−0,0172	+0,008	8.7478	8.6465	0.5299	−8.3004
7492	Capricorni	7	26 40,65	3,442	−0,0194	+0,005	8.7581	8.6561	0.5368	−8.3695
7493	8 Cephei .....β	3	26 42,34	0,805	−0,0368	+0,002	9.1824	9.0803	9.9057	+9.1552
7494	Cephei	6½	26 42,77	1,704	−0,0021	+0,028	9.0036	8.9015	0.2315	+8.9356
7495	Cephei	5	26 52,03	1,647	−0,0034	.....	9.0172	8.9144	0.2168	+8.9538
7496*	Cygni	neb.	26 54	2,158	+0,0042	.....	8.8915	8.7886	0.3340	+8.7611
7497*	Aquarii	7½	27 4,51	3,054	−0,0058	.....	8.7192	8.6156	0.4848	+7.0278
7498	Octantis .....λ	5½	27 12,67	10,215	−1,1526	−0,054	9.6588	9.5547	1.0092	−9.6559
7499	Aquarii	6½	27 28,03	3,138	−0,0084	+0,013	8.7211	8.6160	0.4966	−7.6300
7500	8 Piscis Aust.	5½	27 28,74	3,488	−0,0214	+0,011	8.7692	8.6640	0.5426	−8.4238
7501*	Cygni	7	27 40,91	2,241	+0,0046	0,000	8.8719	8.7660	0.3504	+8.7229
7502*	7 Piscis Aust.	6	27 47,51	3,621	−0,0276	+0,004	8.8001	8.6937	0.5588	−8.5445
7503	73 Cygni .....ρ	4½	28 20,55	+2,251	+0,0046	−0,001	8.8709	8.7624	+0.3524	+8.7199
7504*	Ursæ Minoris	6	28 28,58	−10,001	−2,8256	.....	9.9240	9.8150	−1.0000	+9.9232
7505	72 Cygni	5½	28 39,10	+2,433	+0,0044	+0,013	8.8241	8.7143	+0.3861	+8.6121
7506	39 Capricorni ....*ε*	5	28 40,58	3,371	−0,0166	+0,004	8.7488	8.6390	0.5278	−8.2857
7507	Capricorni	7	28 58,84	3,354	−0,0159	−0,005	8.7465	8.6355	0.5256	−8.2615
7508	Cephei	6	29 1,57	+0,802	−0,0375	.....	9.1913	9.0801	+9.9043	+9.1647
7509	Draconis	5½	29 3,13	−0,150	−0,1082	+0,001	9.3306	9.2193	−9.1758	+9.3170
7510	Cephei	5½	29 6,18	−1,508	−0,2683	+0,119	9.4768	9.3653	−0.1784	+9.4700
7511	Indi	6½	29 15,80	+4,384	−0,0767	−0,004	8.9995	8.8873	+0.6419	−8.9284
7512	Cygni	6	29 17,47	2,060	+0,0037	.....	8.9238	8.8115	0.3139	+8.8145
7513	Indi	6	29 43,49	4,154	−0,0599	0,000	8.9438	8.8299	0.6184	−8.8464
7514	23 Aquarii..... ξ	5	29 45,75	3,193	−0,0101	+0,009	8.7279	8.6138	0.5042	−7.8988
7515*	Aquarii	6½	21 29 51,54	+3,086	−0,0067	.....	+8.7232	−8.6088	+0.4894	−6.9907

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7471	131 50 8,9	−15,51	−0,354	−0,03	+8.9987	+9.7124	−1.1905	−9.8022	....	152	iii.2694	8833	7036	
7472	143 23 46,0	15,52	0,389	+0,24	+9.3971	+9.7933	1.1910	9.8015	....	....	.....	8830	....	R 541
7473	109 53 42,8	15,53	0,312	+0,21	−9.2851	+9.4208	1.1912	9.8012	....	158	iii.2696	....	....	M 888
7474	67 0 57,7	15,54	0,250	−0,02	−9.8104	−9.4808	1.1914	9.8008	2798	160	ii.2550			
7475	124 36 10,2	15,54	0,337	+0,04	+7.2553	+9.6435	1.1914	9.8008	2794	155	iii.2697	8837	7038	
7476	30 54 6,4	15,55	0,153	+0,01	−9.8837	−9.8229	1.1916	9.8005	....	166	iii.2698	....	....	G 3471
7477	46 18 59,6	15,56	0,208	.....	−9.8748	−9.7291	1.1921	9.7999	....	....	.....	....	....	G 3470
7478	96 13 42,2	15,57	0,291	−0,03	−9.5599	+8.9253	1.1922	9.7997	2797	162	ii.2551	....	7040	M889, J535
7479	115 15 2,9	15,58	0,318	+0,15	−9.0931	+9.5204	1.1926	9.7991	....	161	ii.2552	8843		
7480	44 7 9,1	15,58	0,202	−0,11	−9.8774	−9.7464	1.1926	9.7991	2799	168	ii.2553			
7481	168 2 36,9	15,61	0,644	+0,12	+9.7194	+9.8818	1.1935	9.7977	....	....	.....	8817 8818	7037	
7482	23 50 39,5	15,63	0,107	+0,03	−9.8741	−9.8531	1.1940	9.7969	2805	185	iii.2701			
7483	37 42 1,6	15,66	−0,181	.....	−9.8806	−9.7908	1.1948	9.7957	....	....	.....	....	....	G 3480
7484	6 22 56,7	15,66	+0,400	+0,29	−9.8254	−9.8899	1.1948	9.7957	2832	....	.....	....	....	G 3501
7485	106 51 32,0	15,66	−0,303	+0,32	−9.3694	+9.3550	1.1948	9.7956	....	171	iii.2700	....	....	M 890
7486	155 29 24,7	15,70	0,445	−0,11	+9.5870	+9.8525	1.1958	9.7942	....	....	.....	8842	7043	R 542
7487	104 8 47,7	15,70	0,298	−0,03	−9.4293	+9.2818	1.1959	9.7939	....	177	ii.2554			
7488	38 28 3,6	15,71	0,184	.....	−9.8790	−9.7876	1.1961	9.7936	....	....	.....	....	....	G 3485
7489	38 2 26,6	15,72	0,182	.....	−9.8789	−9.7905	1.1964	9.7932	....	....	.....	....	....	G 3487
7490	110 44 59,6	15,72	0,307	−0,04	−9.2691	+9.4435	1.1964	9.7931	2800	180	ii.2555	....	....	M 891
7491	110 54 51,6	15,72	0,307	+0,03	−9.2644	+9.4469	1.1965	9.7930	2801	181	ii.2556	....	....	M 892
7492	114 7 6,0	15,73	0,311	0,00	−9.1544	+9.5059	1.1968	9.7925	....	184	ii.2557	8851	....	W 1170
7493	20 5 49,9	15,73	0,073	+0,04	−9.8642	−9.8673	1.1968	9.7925	2811	198	ii.2559			
7494	31 14 35,0	15,73	0,154	−0,10	−9.8781	−9.8266	1.1968	9.7924	....	194	iii.2702			
7495	30 12 3,9	15,74	0,149	.....	−9.8773	−9.8315	1.1971	9.7921	....	....	.....	....	....	G 3489
7496	42 13	15,74	0,195	.....	−9.8753	−9.7645	1.1971	9.7920	....	....	.....	....	....	A
7497	88 50 1,7	15,75	0,276	−0,06	−9.6498	−8.2038	1.1974	9.7916	2804	....	.....	....	....	L 190
7498	173 23 58,3	15,76	0,921	+0,01	+9.7516	+9.8925	1.1976	9.7913	....	....	.....	8798	7042	
7499	94 39 1,2	15,78	0,283	+0,13	−9.5825	+8.8046	1.1980	9.7906	....	190	iii.2703			
7500	116 50 16,0	15,78	0,314	+0,04	−9.0350	+9.5504	1.1980	9.7906	2802	188	ii.2558	8853	7047	
7501	44 48 37,3	15,79	0,202	.....	−9.8712	−9.7470	1.1983	9.7901	2807	....	.....	....	....	L 1
7502	123 42 53,8	15,79	0,326	−0,01	−8.2765	+9.6406	1.1984	9.7899	2803	189	iii.2704	8855	7048	
7503	45 4 8,0	15,82	−0,202	+0,05	−9.8699	−9.7460	1.1993	9.7885	2810	202	ii.2561			
7504	3 35 36,9	15,83	+0,896	.....	−9.8062	−9.8964	1.1995	9.7882	....	....	.....	....	....	G 3548
7505	52 8 11,1	15,84	−0,218	−0,12	−9.8568	−9.6855	1.1997	9.7878	2809	203	iii.2708			
7506	110 8 4,8	15,84	0,302	−0,02	−9.2929	+9.4344	1.1998	9.7877	2806	197	ii.2560	....	....	M893, J536
7507	109 6 21,5	15,86	0,300	+0,08	−9.3216	+9.4130	1.2002	9.7870	....	199	iv.1833			
7508	19 50 22,4	15,86	−0,072	.....	−9.8592	−9.8715	1.2003	9.7868	....	....	.....	....	....	G 3503
7509	14 15 22,6	15,86	+0,013	+0,03	−9.8452	−9.8845	1.2003	9.7868	....	....	.....	....	....	G3508, P972
7510	10 7 48,8	15,86	+0,135	−0,10	−9.8316	−9.8913	1.2004	9.7867	....	....	.....	....	....	G3511, P974
7511	148 6 45,1	15,87	−0,391	+0,19	+9.4623	+9.8273	1.2006	9.7863	....	....	v.3277	8856	7049	
7512	38 58 7,0	15,87	0,184	.....	−9.8740	−9.7891	1.2007	9.7862	....	....	.....	....	....	G 3500
7513	143 1 56,1	15,90	0,369	+0,06	+9.3543	+9.8016	1.2013	9.7851	....	....	v.3280	8859	7052	R 543
7514	98 31 26,8	15,90	0,284	+0,01	−9.5299	+9.0701	1.2013	9.7850	2808	209	ii.2562	....	7055	M894, J537
7515	91 3 39,3	−15,90	−0,274	.....	−9.6259	+8.1668	−1.2015	−9.7848	....	....	.....	....	....	B.F 2941

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7516	Indi	6	21 29 56,59	+4,297	−0,0704	+0,008	+8.9804	−8.8656	+0.6331	−8.9011
7517	Capricorni	7	30 0,49	3,298	−0,0139	+0,009	8.7397	8.6246	0.5182	−8.1688
7518	Pegasi	8	30 15,20	2,986	−0,0039	+0,018	8.7261	8.6101	0.4751	+7.7422
7519	3 Pegasi	6	30 15,32	2,986	−0,0039	+0,007	8.7261	8.6101	0.4751	+7.7415
7520	5 Pegasi	5½	30 44,51	2,797	+0,0003	+0,011	8.7479	8.6299	0.4467	+8.2527
7521	74 Cygni	6	30 56,44	2,398	+0,0048	+0,001	8.8389	8.7201	0.3798	+8.6446
7522	4 Pegasi	5	31 1,09	2,998	−0,0042	+0,006	8.7266	8.6076	0.4769	+7.6752
7523*	Capricorni	7	31 22,55	3,449	−0,0201	.....	8.7685	8.6481	0.5377	−8.3966
7524	Cygni	6½	31 43,74	2,426	+0,0049	+0,016	8.8332	8.7114	0.3849	+8.6287
7525	40 Capricorni ....γ	4	31 46,58	3,322	−0,0149	+0,019	8.7461	8.6241	0.5214	−8.2203
7526	24 Aquarii	6½	31 47,74	3,081	−0,0066	+0,016	8.7260	8.6039	0.4887	−6.8302
7527	25 Aquarii ..... d	5½	31 56,73	3,049	−0,0057	+0,002	8.7263	8.6037	0.4841	+7.1648
7528*	Pegasi	5½	32 1,27	2,784	+0,0007	.....	8.7522	8.6292	0.4447	+8.2774
7529	Indi	6	32 3,77	5,501	−0,1924	−0,030	9.2292	9.1060	0.7405	−9.2066
7530	Cephei	6	32 39,09	1,993	+0,0034	.....	8.9515	8.8260	0.2994	+8.8559
7531	Indi	6	32 47,25	4,629	−0,0999	−0,062	9.0673	8.9413	0.6655	−9.0164
7532	Indi	6½	33 0,71	4,353	−0,0766	−0,018	9.0041	8.8772	0.6388	−8.9327
7533*	Cephei	6	33 11,12	1,591	−0,0046	+0,024	9.0510	8.9234	0.2018	+8.9954
7534	Indi	6	33 17,33	4,349	−0,0765	−0,023	9.0039	8.8759	0.6384	−8.9324
7535	Indi	6	33 18,88	4,347	−0,0763	−0,027	9.0035	8.8754	0.6381	−8.9317
7536	Capricorni	7	33 22,22	3,369	−0,0169	+0,003	8.7566	8.6283	0.5275	−8.3006
7537	42 Capricorni	6	33 23,23	3,280	−0,0134	−0,007	8.7427	8.6143	0.5159	−8.1475
7538*	Gruis	6	33 27,52	3,846	−0,0413	+0,038	8.8727	8.7440	0.5850	−8.7158
7539	41 Capricorni	5	33 27,80	3,425	−0,0194	+0,010	8.7674	8.6387	0.5346	−8.3756
7540	Indi	6	33 29,20	4,218	−0,0664	−0,007	8.9718	8.8430	0.6251	−8.8861
7541*	Indi	6	33 46,67	4,258	−0,0696	+0,012	8.9830	8.8530	0.6292	−8.9023
7542	9 Cephei	5	33 53,47	1,611	−0,0041	−0,002	9.0490	8.9186	0.2070	+8.9925
7543	43 Capricorni ....κ	5	34 16,59	3,353	−0,0163	+0,011	8.7553	8.6234	0.5254	−8.2798
7544	75 Cygni	6	34 18,02	2,341	+0,0053	+0,007	8.8625	8.7306	0.3694	+8.6930
7545	Cephei	6	34 18,66	1,857	+0,0015	+0,002	8.9912	8.8592	0.2688	+8.9139
7546	26 Aquarii	6	34 31,21	3,062	−0,0059	+0,006	8.7298	8.5970	0.4860	+6.7531
7547	7 Pegasi	5½	34 45,29	3,001	−0,0042	+0,006	8.7318	8.5980	0.4773	+7.6719
7548	Cygni	6	34 46,34	2,160	+0,0051	.....	8.9133	8.7794	0.3344	+8.7911
7549*	Capricorni	7	34 47,90	3,437	−0,0200	.....	8.7723	8.6384	0.5362	−8.3956
7550	Capricorni	6	34 49,53	3,363	−0,0169	−0,004	8.7581	8.6240	0.5268	−8.2984
7551	44 Capricorni	6	34 53,11	3,284	−0,0136	+0,003	8.7456	8.6113	0.5164	−8.1609
7552*	Indi	6	34 53,11	4,639	−0,1027	−0,064	9.0767	8.9424	0.6664	−9.0275
7553*	Pegasi	6½	35 13,70	2,929	−0,0023	+0,010	8.7376	8.6020	0.4668	+7.9833
7554	76 Cygni	6	35 32,50	2,406	+0,0053	+0,001	8.8478	8.7109	0.3814	+8.6570
7555	Cephei	6	35 45,12	1,980	+0,0035	.....	8.9643	8.8266	0.2966	+8.8733
7556*	45 Capricorni	6	35 49,30	3,288	−0,0138	−0,001	8.7476	8.6095	0.5169	−8.1727
7557*	9 Piscis Aust. .... ι	4½	36 0,11	3,595	−0,0278	+0,005	8.8118	8.6731	0.5557	−8.5561
7558*	Capricorni	8	36 4,10	3,306	−0,0145	.....	8.7506	8.6116	0.5193	−8.2078
7559	77 Cygni	6	36 21,21	2,403	+0,0054	+0,004	8.8506	8.7105	0.3808	+8.6622
7560	80 Cygni .....π¹	4½	21 36 46,35	+2,122	+0,0050	0,000	+8.9295	−8.7877	+0.3267	+8.8169

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7516	146 24 46,0	−15,91	−0,382	+0,20	+9.4268	+9.8201	−1.2016	−9.7846	....	....	v.3282	8858	7054	
7517	105 34 58,7	15,91	0,293	+0,01	−9.4057	+9.3286	1.2017	9.7844	....	212	iii.2713			
7518	84 2 35,3	15,92	0,265	+0,11	−9.6943	−8.9160	1.2021	9.7838	....	216	iv.1838			
7519	84 3 9,6	15,92	0,265	−0,02	−9.6943	−8.9153	1.2021	9.7838	2812	217	ii.2563			
7520	71 21 10,2	15,95	0,247	−0,09	−9.7818	−9.4053	1.2028	9.7826	2814	219	ii.2564			
7521	50 15 31,4	15,96	0,212	−0,01	−9.8578	−9.7066	1.2031	9.7821	2818	222	iii.2716			
7522	84 54 10,9	15,97	0,265	−0,02	−9.6866	−8.8496	1.2032	9.7819	2813	220	ii.2565			
7523	115 7 42,6	15,98	0,304	.....	−9.1348	+9.5295	1.2037	9.7810	....	....	.....	8875		
7524	51 21 24,9	16,00	0,213	+0,14	−9.8545	−9.6975	1.2042	9.7801	....	228	iv.1842	....	....	G 3512
7525	107 20 11,9	16,01	0,292	−0,01	−9.3705	+9.3762	1.2042	9.7800	2815	223	ii.2566	....	....	M895, J538
7526	90 43 41,6	16,01	0,271	+0,05	−9.6296	+8.0063	1.2043	9.7800	2816	224	iii.2717			
7527	88 25 38,0	16,01	0,268	+0,02	−9.6535	−8.3408	1.2045	9.7796	2817	225	ii.2567			
7528	70 25 3,0	16,02	0,244	.....	−9.7858	−9.4276	1.2046	9.7794	....	....	.....	....	....	B.F 2953
7529	161 41 21,4	16,02	0,483	−0,07	+9.6383	+9.8799	1.2047	9.7793	....	....	.....	8860	7057	R 544
7530	36 37 53,3	16,05	0,174	.....	−9.8692	−9.8077	1.2055	9.7778	....	....	.....	....	....	G 3523
7531	152 47 35,9	16,06	0,404	−0,11	+9.5243	+9.8526	1.2057	9.7775	....	....	.....	8872	7060	
7532	148 2 45,1	16,07	0,380	−0,15	+9.4439	+9.8324	1.2060	9.7769	....	....	v.3285	8876	7061	R 545
7533	28 22 35,3	16,08	0,139	.....	−9.8646	−9.8484	1.2063	9.7765	....	241	iii.2720	....	....	G 3528
7534	148 0 12,4	16,08	0,379	−0,05	+9.4420	+9.8326	1.2064	9.7762	....	....	v.3286	8877	7064	R 546
7535	147 57 42,5	16,09	0,379	+0,02	+9.4411	+9.8325	1.2064	9.7761	....	....	v.3287	8878	7065	R 547
7536	110 29 8,2	16,09	0,293	+0,05	−9.2958	+9.4483	1.2065	9.7760	....	233	iii.2719			
7537	104 42 47,3	16,09	0,286	+0,26	−9.4283	+9.3091	1.2065	9.7760	2820	235	ii.2568	....	....	M 896
7538	134 10 22,8	16,09	0,335	0,00	+9.0191	+9.7476	1.2066	9.7758	....	....	v.3289	8886	7068	
7539	113 56 16,3	16,09	0,298	+0,05	−9.1889	+9.5127	1.2066	9.7758	2819	234	ii.2569	8893	....	J 539
7540	145 10 52,1	16,09	0,367	+0,09	+9.3838	+9.8188	1.2067	9.7757	....	....	v.3290	8881	7067	
7541	146 9 14,3	16,11	0,370	+0,34	+9.4031	+9.8242	1.2071	9.7750	....	....	v.3291	8884	7069	
7542	28 35 35,9	16,12	0,140	−0,02	−9.8635	−9.8485	1.2073	9.7747	2830	247	ii.2571			
7543	109 32 48,5	16,14	0,290	−0,02	−9.3228	+9.4301	1.2078	9.7737	2821	238	ii.2570	....	....	M897, J540
7544	47 24 18,3	16,14	0,203	−0,03	−9.8582	−9.7361	1.2078	9.7736	2826	246	iii.2721			
7545	33 11 17,4	16,14	0,161	+0,01	−9.8659	−9.8283	1.2078	9.7736	....	248	iii.2722	....	....	B.H 464
7546	89 23 43,9	16,15	0,265	+0,02	−9.6437	−7.9291	1.2081	9.7731	2822	242	ii.2572			
7547	85 0 7,7	16,16	0,259	+0,05	−9.6848	−8.8463	1.2085	9.7725	2824	245	ii.2574			
7548	40 59 47,3	16,16	0,187	.....	−9.8643	−9.7841	1.2085	9.7724	....	....	.....	....	....	G 3537
7549	114 49 57,8	16,16	0,297	.....	−9.1620	+9.5295	1.2085	9.7723	....	....	.....	8898		
7550	110 18 14,5	16,16	0,290	+0,15	−9.3045	+9.4467	1.2086	9.7723	....	243	ii.2573	....	....	M 898
7551	105 4 59,8	16,17	0,283	−0,03	−9.4233	+9.3218	1.2086	9.7721	2823	244	ii.2575			
7552	153 13 47,5	16,17	0,400	−0,30	+9.5222	+9.8572	1.2086	9.7721	....	....	.....	8888	7070	R 548
7553	79 51 31,4	16,19	0,252	+0,04	−9.7253	−9.1526	1.2091	9.7712	2827	249	iii.2723			
7554	49 52 27,3	16,20	0,207	+0,04	−9.8523	−9.7165	1.2096	9.7704	2831	252	iii.2724			
7555	35 48 30,4	16,21	0,170	.....	−9.8641	−9.8166	1.2098	9.7699	....	....	.....	....	....	G 3544
7556	105 26 7,8	16,22	0,282	+0,18	−9.4178	+9.3328	1.2099	9.7697	2828	251	ii.2576			
7557	123 42 26,0	16,23	0,308	+0,09	−8.5416	+9.6522	1.2102	9.7692	2825	250	ii.2577	8901	7074	J 541
7558	106 39 13,1	16,23	0,283	−0,04	−9.3934	+9.3653	1.2103	9.7690	2829	....	.....	....	....	B 50
7559	49 36 23,9	16,24	0,206	+0,02	−9.8516	−9.7200	1.2107	9.7683	2836	259	iii.2726			
7560	39 29 37,1	−16,26	−0,181	+0,01	−9.8618	−9.7965	−1.2112	−9.7672	2845	263	ii.2580			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7561	8 Pegasi ..... ε	2½	21 36 49,12	+2,944	−0,0025	+0,007	+8.7386	−8.5966	+0.4690	+7.9419
7562*	Capricorni	7½	36 55,27	3,205	−0,0106	+0,011	8.7394	8.5970	0.5058	−7.9671
7563	46 Capricorni .... c^1	6	37 0,25	3,205	−0,0107	+0,003	8.7396	8.5968	0.5058	−7.9692
7564*	Cephei	7	37 3,21	0,849	−0,0369	+0,020	9.2127	9.0697	9.9289	+9.1874
7565	Cygni	6	37 4,43	2,404	+0,0055	−0,007	8.8521	8.7091	0.3810	+8.6644
7566*	79 Cygni	6	37 13,66	2,470	+0,0052	+0,004	8.8347	8.6910	0.3927	+8.6201
7567	9 Pegasi	4½	37 24,73	2,837	0,0000	+0,007	8.7524	8.6081	0.4529	+8.2100
7568	78 Cygni ..... μ	5	37 26,07	2,655	+0,0033	+0,018	8.7882	8.6437	0.4241	+8.4607
7569*	Cygni	•	37 26,37	2,655	+0,0033	.....	8.7882	8.6437	0.4241	+8.4607
7570	Cygni	8	37 40,27	2,655	+0,0033	+0,006	8.7886	8.6432	0.4241	+8.4616
7571*	10 Pegasi ..... $\varkappa$	4	37 51,26	2,709	+0,0025	+0,003	8.7770	8.6308	0.4328	+8.4022
7572	Indi ..... θ	5½	38 0,92	5,241	−0,1702	+0,021	9.2073	9.0605	0.7194	−9.1812
7573	47 Capricorni .... c^2	6½	38 15,89	3,207	−0,0108	+0,002	8.7416	8.5938	0.5061	−7.9797
7574	Indi	6	38 17,76	4,764	−0,1178	−0,034	9.1157	8.9677	0.6779	−9.0744
7575	Indi	6	38 24,56	4,261	−0,0725	+0,057	8.9986	8.8502	0.6295	−8.9219
7576	Indi	7	38 25,03	4,358	−0,0805	.....	9.0229	8.8745	0.6393	−8.9558
7577	48 Capricorni .... λ	5½	38 27,50	3,236	−0,0119	+0,004	8.7449	8.5963	0.5100	−8.0647
7578	Gruis	6	38 29,80	3,930	−0,0483	+0,038	8.9096	8.7609	0.5944	−8.7806
7579	50 Capricorni	7	38 35,91	3,240	−0,0120	−0,005	8.7456	8.5965	0.5106	−8.0769
7580	49 Capricorni .... δ	3½	38 45,39	3,304	−0,0146	+0,019	8.7546	8.6048	0.5190	−8.2156
7581*	Gruis	6	38 48,52	3,943	−0,0492	−0,017	8.9142	8.7642	0.5958	−8.7884
7582	Cephei	6	38 54,93	1,831	+0,0014	+0,001	9.0128	8.8624	0.2626	+8.9416
7583	10 Piscis Aust. .... θ	5	38 55,41	3,545	−0,0257	+0,002	8.8055	8.6551	0.5497	−8.5247
7584*	Pegasi	7	39 9,04	2,713	+0,0026	+0,005	8.7785	8.6271	0.4334	+8.4027
7585	12 Pegasi	6	39 10,54	2,755	+0,0018	+0,006	8.7698	8.6184	0.4401	+8.3483
7586*	Pegasi	7	39 34,31	2,714	+0,0027	+0,015	8.7790	8.6259	0.4336	+8.4028
7587	27 Aquarii	5½	39 37,55	3,044	−0,0053	+0,004	8.7370	8.5838	0.4834	+8.2789
7588	11 Cephei	4½	39 42,19	0,886	−0,0354	+0,022	9.2160	9.0624	9.9476	+9.1907
7589	Cygni	6	39 55,73	2,103	+0,0053	.....	8.9438	8.7893	0.3229	+8.8378
7590*	Pegasi	7½	39 56,94	2,843	+0,0001	+0,012	8.7555	8.6009	0.4538	+8.2089
7591	Gruis	6½	40 4,95	3,901	−0,0470	−0,005	8.9061	8.7510	0.5912	−8.7723
7592*	Gruis	6½	40 17,25	3,933	−0,0492	−0,017	8.9157	8.7598	0.5948	−8.7896
7593	Cygni	6	40 19,35	2,373	+0,0060	.....	8.8692	8.7131	0.3752	+8.6978
7594	Indi	6½	40 55,07	4,551	−0,0996	−0,059	9.0776	8.9192	0.6581	−9.0265
7595*	10 Cephei ..... ν	4½	41 7,47	1,729	−0,0006	+0,002	9.0455	8.8862	0.2377	+8.9849
7596	Aquarii	7	41 10,31	3,152	−0,0089	+0,003	8.7413	8.5818	0.4986	−7.7674
7597	78 Draconis	5	41 12,87	0,778	−0,0426	−0,016	9.2404	9.0808	9.8912	+9.2177
7598	81 Cygni ..... π^2	5	41 15,46	2,207	+0,0061	+0,003	8.9187	8.7588	0.3438	+8.7939
7599	Capricorni	7	41 34,19	3,252	−0,0126	−0,011	8.7514	8.5902	0.5121	−8.1170
7600	Indi	6	41 35,68	4,169	−0,0671	+0,023	8.9846	8.8234	0.6200	−8.8998
7601	Capricorni	7	41 57,48	3,310	−0,0151	−0,007	8.7605	8.5978	0.5198	−8.2397
7602	Cygni	6	42 6,08	2,474	+0,0058	.....	8.8451	8.6818	0.3934	+8.6369
7603	Indi	6	42 41,88	5,238	−0,1770	.....	9.2241	9.0584	0.7191	−9.1993
7604	Indi	6	42 50,54	5,230	−0,1762	+0,025	9.2233	9.0570	0.7185	−9.1984
7605	12 Cephei	6	21 42 59,89	+1,767	+0,0004	−0,001	+9.0422	−8.8753	+0.2473	+8.9797

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a′	b′	c′	d′						
	° ′ ″	″	″	″										
7561	80 48 37,6	−16,27	−0,251	−0,02	−9.7175	−9.1124	−1.2113	−9.7671	2835	260	ii.2578			
7562	99 43 30,3	16,27	0,273	+0,17	−9.5172	+9.1369	1.2114	9.7668	2833	257	iii.2727			
7563	99 46 9,7	16,28	0,273	−0,01	−9.5167	+9.1390	1.2116	9.7666	2834	258	ii.2579	....	....	M 899
7564	19 22 0,6	16,28	0,072	−0,06	−9.8419	−9.8841	1.2116	9.7665	2854	....	.....	....	....	G 3558
7565	49 31 45,1	16,28	0,205	−0,02	−9.8508	−9.7217	1.2117	9.7664	2841	265	iii.2728	....	....	B.F 2976
7566	52 24 4,2	16,29	0,210	.....	−9.8450	−9.6951	1.2119	9.7660	2843	....	.....	....	....	Airy (G)
7567	73 20 4,7	16,30	0,241	−0,06	−9.7655	−9.3674	1.2121	9.7655	2837	264	ii.2581			
7568	61 55 57,0	16,30	0,226	+0,22	−9.8176	−9.5825	1.2121	9.7655	2839	266	ii.2582			
7569	61 55 58,8	16,30	0,226	.....	−9.8176	−9.5825	1.2122	9.7654	2840					
7570	61 54 9,5	16,31	0,225	+0,10	−9.8175	−9.5832	1.2125	9.7648	....	267	iv.1856	....	....	A 498
7571	65 2 32,6	16,32	0,230	−0,03	−9.8052	−9.5358	1.2127	9.7643	2848	269	ii.2583	....	....	P 985
7572	160 19 10,6	16,33	0,444	−0,38	+9.6027	+9.8846	1.2129	9.7639	....	....	.....	8899	7077	R 549
7573	99 57 56,3	16,34	0,271	0,00	−9.5147	+9.1492	1.2133	9.7633	2838	268	ii.2584			
7574	155 24 11,2	16,34	0,403	−0,12	+9.5397	+9.8698	1.2133	9.7632	....	....	.....	8903	7078	
7575	146 57 28,8	16,35	0,360	−1,87	+9.3962	+9.8346	1.2135	9.7629	....	....	v.3293	8908	7079	
7576	148 57 53,5	16,35	0,368	.....	+9.4355	+9.8442	1.2135	9.7629	....	....	.....	....	....	R 550
7577	102 3 16,8	16,35	0,273	−0,02	−9.4822	+9.2311	1.2135	9.7627	2844	270	ii.2585	....	....	M 900
7578	137 58 53,9	16,35	0,332	+0,19	+9.1449	+9.7823	1.2136	9.7626	....	....	v.3294	8912	7080	
7579	102 22 52,2	16,36	0,273	+0,08	−9.4768	+9.2427	1.2137	9.7624	2846	271	iii.2730			
7580	106 48 17,3	16,37	0,279	+0,25	−9.3950	+9.3728	1.2139	9.7619	2847	276	ii.2586	....	....	M901,J542
7581	138 28 4,6	16,37	0,332	+0,12	+9.1611	+9.7860	1.2140	9.7618	....	....	v.3295	8914	7081	
7582	31 54 23,0	16,37	0,154	−0,01	−9.8571	−9.8408	1.2141	9.7615	....	285	iii.2732	....	....	A
7583	121 35 24,0	16,37	0,299	−0,02	−8.8274	+9.6311	1.2142	9.7615	2842	275	ii.2587	8917	7082	J 543
7584	65 6 25,2	16,39	0,228	+0,11	−9.8037	−9.5364	1.2145	9.7609	2851	279	iv.1860			
7585	67 44 21,4	16,39	0,232	−0,05	−9.7924	−9.4907	1.2145	9.7608	2850	278	ii.2588			
7586	65 7 49,3	16,41	0,228	+0,10	−9.8032	−9.5366	1.2150	9.7598	2852	284	iv.1862			
7587	88 0 15,8	16,41	0,255	−0,08	−9.6568	−8.4547	1.2151	9.7596	2849	282	ii.2589			
7588	19 22 45,5	16,41	0,074	−0,06	−9.8364	−9.8876	1.2152	9.7594	2856	292	ii.2590			
7589	38 25 19,6	16,42	0,176	.....	−9.8569	−9.8073	1.2155	9.7588	....	....	.....	....	....	G 3564
7590	73 29 45,0	16,43	0,238	.....	−9.7628	−9.3668	1.2155	9.7587	2853	....	.....	....	....	L 36
7591	137 18 12,6	16,43	0,326	0,00	+9.1038	+9.7797	1.2157	9.7584	....	....	v.3296	8921	7083	
7592	138 25 13,4	16,44	0,328	+0,11	+9.1471	+9.7877	1.2160	9.7578	....	....	v.3297	8922	7084	
7593	47 37 51,3	16,44	0,198	.....	−9.8491	−9.7424	1.2160	9.7577	....	....	.....	....	....	G 3565
7594	152 44 33,6	16,47	0,379	−0,34	+9.4890	+9.8635	1.2168	9.7561	....	....	.....	8920	7085	R 551
7595	29 34 13,6	16,48	0,144	+0,02	−9.8510	−9.8542	1.2171	9.7555	2857	297	ii.2594			
7596	96 5 48,3	16,49	0,262	+0,06	−9.5694	+8.9411	1.2171	9.7554	....	290	ii.2591	....	....	W 1180
7597	18 22 0,1	16,49	0,065	+0,02	−9.8305	−9.8923	1.2172	9.7553	2861	302	ii.2595			
7598	41 22 59,1	16,49	0,183	+0,01	−9.8536	−9.7903	1.2172	9.7552	2855	295	ii.2593			
7599	103 25 6,8	16,51	0,269	0,00	−9.4629	+9.2810	1.2177	9.7543	....	291	ii.2592	....	....	B.F 2980
7600	145 21 1,4	16,51	0,345	+0,33	+9.3432	+9.8307	1.2177	9.7542	....	....	v.3298	8928	7087	
7601	107 32 29,2	16,53	0,274	+0,08	−9.3856	+9.3951	1.2182	9.7532	....	294	iii.2736	....	....	M 903
7602	51 44 21,2	16,53	0,204	.....	−9.8396	−9.7080	1.2184	9.7529	....	....	.....	....	....	G 3571
7603	160 48 56,3	16,56	0,431	.....	+9.5911	+9.8921	1.2191	9.7512	....	....	.....	....	7088	
7604	160 46 12,0	16,57	0,430	+0,06	+9.5901	+9.8922	1.2193	9.7508	....	....	.....	8925	7089	
7605	30 0 10,7	−16,58	−0,145	+0,03	−9.8478	−9.8548	−1.2195	−9.7504	2862	306	iii.2739			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7606	13 Pegasi	6	21 43 0,53	+2,846	+0,0002	+0,009	+8.7597	−8.5927	+0.4543	+8.2154
7607	14 Pegasi	5	43 12,63	2,646	+0,0040	+0,002	8.8017	8.6339	0.4226	+8.4937
7608	Capricorni	7	43 21,79	3,334	−0,0162	+0,004	8.7668	8.5984	0.5229	−8.2865
7609	Indi	6	44 2,68	4,512	−0,0985	−0,042	9.0794	8.9082	0.6543	−9.0277
7610*	Cephei	5	44 21,77	1,080	−0,0256	+0,016	9.1977	9.0252	0.0335	+9.1692
7611	Cephei	6	44 27,75	1,510	−0,0069	.....	9.1087	8.9358	0.1789	+9.0640
7612	Cephei	6	44 43,53	2,118	+0,0060	.....	8.9541	8.7801	0.3260	+8.8506
7613*	Gruis ..... γ	3	44 49,99	3,653	−0,0328	+0,019	8.8474	8.6730	0.5627	−8.6374
7614	Cygni	6	44 52,69	2,472	+0,0062	.....	8.8521	8.6775	0.3931	+8.6494
7615*	Cephei	7	44 55,61	1,753	+0,0002	0,000	9.0523	8.8775	0.2438	+8.9923
7616	Aquarii	7	44 55,61	3,132	−0,0081	+0,008	8.7451	8.5703	0.4958	−7.6583
7617*	Aquarii	7	44 58,76	3,219	−0,0114	.....	8.7522	8.5772	0.5077	−8.0429
7618	51 Capricorni .... μ	5	45 6,81	3,259	−0,0131	+0,026	8.7575	8.5819	0.5131	−8.1488
7619*	Indi	6	45 10,51	5,254	−0,1831	.....	9.2365	9.0607	0.7205	−9.2128
7620*	Aquarii	6	45 35,00	3,215	−0,0113	.....	8.7526	8.5751	0.5071	−8.0337
7621	Cephei	6	45 38,62	1,402	−0,0109	.....	9.1369	8.9591	0.1467	+9.0979
7622	Indi ..... π	5½	45 40,36	4,282	−0,0789	+0,005	9.0278	8.8500	0.6317	−8.9591
7623	15 Pegasi	6	45 48,28	2,676	+0,0039	−0,003	8.7992	8.6208	0.4275	+8.4722
7624	Indi	6	45 52,81	4,492	−0,0983	−0,032	9.0812	8.9025	0.6525	−9.0293
7625	Octantis	6	45 56,26	6,658	−0,4096	−0,036	9.4406	9.2616	0.8234	−9.4316
7626	Indi	6	46 1,95	4,056	−0,0605	+0,015	8.9673	8.7880	0.6081	−8.8706
7627	16 Pegasi	5½	46 14,59	2,724	+0,0031	+0,006	8.7888	8.6086	0.4352	+8.4184
7628	Aquarii	6½	46 20,05	3,135	−0,0082	+0,001	8.7471	8.5665	0.4962	−7.6856
7629	Pegasi	7	46 28,55	2,991	−0,0034	+0,008	8.7481	8.5669	0.4759	+7.7786
7630	Capricorni	7½	46 49,47	3,281	−0,0141	−0,009	8.7631	8.5805	0.5159	−8.2025
7631*	Cephei	7	47 6,31	2,021	+0,0054	.....	8.9888	8.8050	0.3055	+8.9027
7632	Gruis	6	47 20,63	3,641	−0,0327	+0,005	8.8499	8.6652	0.5612	−8.6389
7633	Indi ..... δ	5	47 40,33	4,141	−0,0682	−0,012	8.9962	8.8101	0.6171	−8.9133
7634	Indi ..... $\varkappa^1$	5	47 51,53	4,319	−0,0837	−0,030	9.0448	8.8579	0.6354	−8.9811
7635*	Gruis	6	47 58,89	3,649	−0,0333	+0,028	8.8537	8.6663	0.5622	−8.6474
7636*	Cephei	6	48 4,18	2,012	+0,0054	+0,003	8.9945	8.8067	0.3035	+8.9105
7637*	Cephei	7	48 4,33	2,094	+0,0063	.....	8.9711	8.7833	0.3211	+8.8751
7638	Octantis	6	48 6,14	6,181	−0,3299	−0,126	9.3901	9.2022	0.7911	−9.3785
7639	Capricorni	7½	48 30,21	3,315	−0,0157	−0,002	8.7714	8.5819	0.5205	−8.2753
7640	Capricorni	7½	49 37,46	3,275	−0,0140	−0,003	8.7663	8.5721	0.5152	−8.2022
7641	17 Pegasi	6	49 37,65	2,926	−0,0013	+0,003	8.7581	8.5638	0.4662	+8.0528
7642*	Cephei	6	49 40,34	2,107	+0,0066	+0,037	8.9723	8.7779	0.3237	+8.8759
7643*	13 Cephei ..... μ	5½	49 50,82	2,008	+0,0055	−0,001	9.0011	8.8059	0.3029	+8.9192
7644*	Cephei	7	50 7,29	0,890	−0,0380	+0,001	9.2551	9.0588	9.9492	+9.2328
7645	Indi	6	50 8,46	4,159	−0,0711	0,000	9.0093	8.8129	0.6190	−8.9309
7646	Cephei	6	50 13,33	2,135	+0,0070	.....	8.9661	8.7694	0.3293	+8.8658
7647	Gruis	6	50 14,79	3,654	−0,0342	+0,042	8.8604	8.6636	0.5627	−8.6603
7648	Aquarii	7	50 18,97	3,241	−0,0125	−0,001	8.7623	8.5651	0.5107	−8.1266
7649	Aquarii	6½	50 21,21	3,359	−0,0179	−0,009	8.7829	8.5856	0.5262	−8.3545
7650*	Aquarii	6½	21 50 21,49	+3,148	−0,0088	+0,002	+8.7529	−8.5556	+0.4980	−7.7816

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7606	73 24 30,1	−16,58	−0,234	+0,01	−9.7609	−9.3730	−1.2195	−9.7503	2858	304	ii.2596			
7607	60 31 19,9	16,59	0,217	+0,01	−9.8158	−9.6096	1.2198	9.7498	2859	305	ii.2597			
7608	109 19 11,7	16,60	0,273	+0,17	−9.3497	+9.4374	1.2200	9.7494	....	303	iii.2738	....	....	M 904
7609	152 35 12,1	16,63	0,368	+0,08	+9.4720	+9.8669	1.2209	9.7474	....	....	.....	8939	7091	
7610	20 32 37,7	16,64	0,088	−0,01	−9.8291	−9.8905	1.2213	9.7465	....	....	.....	....	....	G 3590
7611	25 31 38,5	16,65	0,123	.....	−9.8389	−9.8746	1.2214	9.7463	....	....	.....	....	....	G 3588
7612	38 0 6,0	16,66	0,172	.....	−9.8487	−9.8160	1.2217	9.7455	....	....	.....	....	....	G 3586
7613	128 4 3,9	16,67	0,296	+0,12	+7.0792	+9.7096	1.2219	9.7452	....	308	ii.2598	8951	7094	J544, R552
7614	51 9 52,2	16,67	0,201	.....	−9.8368	−9.7170	1.2219	9.7451	....	....	.....	....	....	G 3584
7615	29 25 33,3	16,67	0,142	+0,09	−9.8434	−9.8598	1.2220	9.7450	2865	318	iv.1876			
7616	94 41 46,9	16,67	0,254	+0,13	−9.5877	+8.8329	1.2220	9.7450	....	314	ii.2599	....	....	W 1183
7617	101 15 44,9	16,67	0,261	.....	−9.5012	+9.2105	1.2220	9.7448	....	....	.....	....	....	B.F 2986
7618	104 15 17,8	16,68	0,264	−0,04	−9.4532	+9.3113	1.2222	9.7444	2860	315	ii.2600	....	....	M 905, P 995
7619	161 14 3,8	16,68	0,425	.....	+9.5864	+9.8964	1.2223	9.7442	....	....	.....	8936		
7620	101 0 52,4	16,70	0,260	.....	−9.5056	+9.2017	1.2228	9.7431	....	....	.....	....	....	B.F 2988
7621	23 54 14,7	16,71	0,113	.....	−9.8335	−9.8817	1.2229	9.7429	....	....	.....	....	....	G 3591
7622	148 36 22,6	16,71	0,346	+0,12	+9.3911	+9.8520	1.2229	9.7428	....	....	v.3300	8950	7095	
7623	61 54 22,5	16,71	0,216	+0,04	−9.8083	−9.5938	1.2231	9.7425	2863	319	ii.2601			
7624	152 32 55,5	16,72	0,362	−0,36	+9.4626	+9.8691	1.2232	9.7422	....	....	.....	8949	7096	
7625	168 22 20,6	16,72	0,536	−0,20	+9.6564	+9.9120	1.2233	9.7421	....	....	.....	8927	7093	
7626	143 10 6,5	16,73	0,326	+0,12	+9.2591	+9.8245	1.2234	9.7418	....	....	v.3301	8953	7097	
7627	64 46 46,0	16,74	0,219	+0,02	−9.7975	−9.5509	1.2236	9.7412	2864	321	ii.2603			
7628	94 58 46,1	16,74	0,252	+0,29	−9.5849	+8.8600	1.2238	9.7409	....	320	ii.2602	....	....	W 1185
7629	83 50 31,2	16,75	0,240	+0,14	−9.6906	−8.9522	1.2239	9.7405	....	322	iii.2741	....	....	B.F 2990
7630	105 57 47,4	16,76	0,263	+0,09	−9.4252	+9.3615	1.2244	9.7395	....	323	iii.2742	....	....	M 906
7631	34 54 29,0	16,78	0,162	+0,06	−9.8436	−9.8363	1.2247	9.7387	2866	....	.....	....	....	G 3599
7632	127 57 40,4	16,79	0,291	+0,01	−7.7482	+9.7117	1.2250	9.7380	....	324	iii.2743	8964	7099	
7633	145 42 8,6	16,80	0,330	−0,01	+9.3147	+9.8402	1.2254	9.7371	....	....	ii.2604	8962	7100	J546, R553
7634	149 43 26,4	16,81	0,343	−0,17	+9.4014	+9.8597	1.2256	9.7365	....	....	v.3302	8959	7101	
7635	128 27 27,2	16,82	0,290	+0,16	−7.0000	+9.7173	1.2258	9.7362	....	326	v.3303	8966	7103	
7636	34 29 46,9	16,82	0,160	+0,23	−9.8417	−9.8397	1.2259	9.7359	2868	336	iii.2747	....	....	G 3606
7637	36 42 29,6	16,82	0,166	+0,02	−9.8425	−9.8277	1.2259	9.7359	2867	335	iv.1885	....	....	G 3605
7638	166 50 0,3	16,82	0,491	+0,44	+9.6347	+9.9122	1.2259	9.7358	....	....	.....	8946	7098	
7639	108 36 20,6	16,84	0,262	+0,01	−9.3768	+9.4281	1.2264	9.7346	....	332	iii.2748	....	....	M 907
7640	105 50 1,0	16,90	0,257	+0,02	−9.4322	+9.3615	1.2278	9.7313	....	338	iii.2749	....	....	M 908
7641	78 37 57,5	16,90	0,230	−0,04	−9.7257	−9.2203	1.2278	9.7313	2869	341	ii.2605			
7642	36 46 39,2	16,90	0,166	−0,07	−9.8395	−9.8292	1.2279	9.7312	2871	346	iii.2750	....	....	G 3611
7643	34 5 53,0	16,91	0,158	+0,05	−9.8380	−9.8439	1.2281	9.7307	2872	347	iv.1889			
7644	18 13 1,2	16,92	0,070	.....	−9.8100	−9.9039	1.2284	9.7299	2876	....	.....	....	....	B 52
7645	146 35 49,2	16,92	0,326	−0,05	+9.3206	+9.8478	1.2284	9.7298	....	....	v.3305	8973	7106	
7646	37 28 2,2	16,93	0,167	.....	−9.8387	−9.8260	1.2285	9.7296	....	....	.....	....	....	G 3617
7647	129 6 34,2	16,93	0,286	+0,13	+7.2305	+9.7262	1.2286	9.7295	....	340	iii.2751	8976	7108	
7648	103 22 46,3	16,93	0,253	−0,05	−9.4744	+9.2908	1.2286	9.7293	....	344	iii.2752	....	....	M 910
7649	111 53 44,9	16,93	0,263	+0,02	−9.3071	+9.4981	1.2287	9.7292	....	343	ii.2606	....	....	M 909
7650	96 8 0,0	−16,93	−0,246	+0,13	−9.5731	+8.9552	−1.2287	−9.7292	2870	345	ii.2607	....	....	W 1188

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7651	Cephei	6	21 50 51,13	+1,791	+0,0017	.....	+9.0631	−8.8637	+0.2531	+9.0042
7652*	Aquarii	7	50 51,21	3,382	−0,0191	.....	8.7889	8.5895	0.5292	−8.3911
7653*	11 Piscis Aust.	6	50 58,19	3,456	−0,0229	.....	8.8066	8.6067	0.5385	−8.4831
7654	79 Draconis	6	51 0,02	0,738	−0,0488	+0,008	9.2850	9.0850	9.8682	+9.2656
7655	Indi	6	51 36,18	4,041	−0,0623	−0,027	8.9804	8.7779	0.6065	−8.8872
7656*	Indi ..... ε	5½	51 51,08	4,179	−0,0740	+0,457	9.0207	8.8171	0.6211	−8.9462
7657	12 Piscis Aust. .... η	5	52 12,57	3,466	−0,0237	+0,003	8.8115	8.6064	0.5398	−8.4994
7658	Cephei	5½	52 25,73	1,690	−0,0008	+0,013	9.0945	8.8885	0.2278	+9.0440
7659	18 Pegasi	6	52 38,31	2,996	−0,0033	+0,003	8.7555	8.5486	0.4766	+7.7748
7660	28 Aquarii	6	53 24,41	3,072	−0,0059	+0,002	8.7540	8.5438	0.4874	−6.0555
7661	Indi	6	53 26,34	4,138	−0,0714	−0,084	9.0143	8.8040	0.6168	−8.9364
7662	19 Pegasi	6	53 42,56	+2,978	−0,0026	+0,001	8.7581	8.5467	+0.4739	+7.8760
7663	Cephei	6½	53 43,51	−0,477	−0,1748	−0,009	9.4675	9.2560	−9.6787	+9.4593
7664	20 Pegasi	5½	53 47,27	+2,917	−0,0008	+0,011	8.7647	8.5529	+0.4649	+8.0968
7665	Aquarii	7	53 56,21	3,306	−0,0157	0,000	8.7780	8.5655	0.5193	−8.2821
7666	29 Aquarii	6	54 13,64	3,293	−0,0151	+0,002	8.7760	8.5623	0.5176	−8.2585
7667	Indi	7	54 21,07	4,144	−0,0725	−0,060	9.0191	8.8050	0.6174	−8.9428
7668	Cephei	6½	54 22,23	2,000	+0,0060	+0,019	9.0183	8.8041	0.3011	+8.9416
7669	Indi ..... κ^2	5½	55 16,07	4,287	−0,0862	−0,020	9.0619	8.8438	0.6322	−9.0010
7670	30 Aquarii	5½	55 22,98	3,159	−0,0091	+0,008	8.7598	8.5412	0.4995	−7.8605
7671	Indi	6	55 29,04	5,079	−0,1772	−0,002	9.2440	9.0250	0.7058	−9.2197
7672	31 Aquarii ..... o	5	55 33,31	3,105	−0,0071	+0,005	8.7570	8.5377	0.4921	−7.4577
7673	13 Piscis Aust.	6½	55 45,00	3,479	−0,0250	+0,009	8.8220	8.6019	0.5415	−8.5293
7674	21 Pegasi	5½	55 57,60	2,941	−0,0013	+0,004	8.7645	8.5435	0.4685	+8.0318
7675*	Piscis Aust.	6	56 4,25	3,430	−0,0222	−0,006	8.8093	8.5878	0.5352	−8.4744
7676	Cephei	6½	56 21,92	2,187	+0,0083	+0,019	8.9696	8.7468	0.3398	+8.8671
7677*	Cephei	6½	56 22,79	+0,631	−0,0593	.....	9.3245	9.1016	+9.8002	+9.3079
7678	Cephei	6	56 28,59	−0,666	−0,2058	.....	9.5007	9.2775	−9.8234	+9.4935
7679	Cygni	6	56 34,87	+2,451	+0,0081	.....	8.8872	8.6635	+0.3894	+8.7135
7680*	Aquarii	8	56 45,30	3,137	−0,0084	+0,004	8.7599	8.5354	0.4966	−7.7465
7681	Cygni	6	56 53,49	2,412	+0,0084	.....	8.9005	8.6755	0.3823	+8.7417
7682	Indi	6	56 55,83	5,130	−0,1866	−0,011	9.2596	9.0343	0.7102	−9.2368
7683	14 Cephei	6	57 2,25	2,007	+0,0066	−0,003	9.0253	8.7996	0.3026	+8.9503
7684	Gruis ..... λ	5	57 3,47	3,649	−0,0356	+0,001	8.8756	8.6498	0.5622	−8.6861
7685	32 Aquarii	5½	57 4,57	3,090	−0,0064	+0,003	8.7584	8.5325	0.4900	−7.2122
7686	16 Cephei	5	57 5,21	0,908	−0,0389	−0,023	9.2793	9.0534	9.9582	+9.2586
7687	Octantis	6	57 31,81	5,984	−0,3243	−0,106	9.4016	9.1738	0.7770	−9.3900
7688	34 Aquarii ..... α	3	58 4,66	3,083	−0,0062	+0,002	8.7594	8.5292	0.4890	−7.0209
7689	22 Pegasi ..... γ	5	58 6,89	3,019	−0,0038	+0,012	8.7606	8.5303	0.4799	+7.6383
7690*	Aquarii	7	58 12,79	3,143	−0,0085	.....	8.7619	8 5311	0.4973	−7.7871
7691	33 Aquarii ..... ι	4½	58 19,93	3,247	−0,0132	+0,005	8.7739	8.5426	0.5115	−8.1752
7692	Gruis ..... α	2	58 45,09	3,812	−0,0476	+0,012	8.9319	8.6988	0.5811	−8.8008
7693	23 Pegasi	6	58 47,13	2,708	+0,0049	+0,002	8.8151	8.5819	0.4327	+8.4901
7694	Aquarii	7	58 53,30	3,356	−0,0186	−0,003	8.7961	8.5624	0.5259	−8.3874
7695	Cygni	6	21 58 59,68	+2,361	+0,0090	.....	+8.9226	−8.6884	+0.3730	+8.7832

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7651	29 10 8,4	−16,95	−0,140	.....	−9.8312	−9.8682	−1.2293	−9.7277	....	....	.....	....	....	G 3621
7652	113 35 9,5	16,95	0,264	.....	−9.2648	+9.5293	1.2293	9.7277	....	....	.....	8984		
7653	118 20 43,1	16,96	0,269	.....	−9.1089	+9.6037	1.2294	9.7273	....	....	.....	....	....	B.F 2994
7654	17 0 29,0	16,96	0,058	+0,04	−9.8043	−9.9078	1.2295	9.7272	2880	357	iii.2754			
7655	143 47 18,9	16,99	0,313	+0,17	+9.2365	+9.8347	1.2302	9.7254	....	....	v.3306	8979	7111	
7656	147 23 44,2	17,00	0,323	+2,40	+9.3286	+9.8538	1.2305	9.7247	....	....	v.3307	8975	7110	R 554
7657	119 10 15,0	17,02	0,267	−0,03	−9.0828	+9.6166	1.2309	9.7236	2873	351	ii.2608	....	7112	
7658	27 5 16,3	17,03	0,130	+0,02	−9.8248	−9.8785	1.2312	9.7229	....	360	iii.2755	....	....	G 3633
7659	83 59 55,2	17,04	0,231	−0,04	−9.6874	−8.9485	1.2314	9.7223	2874	355	ii.2609			
7660	90 6 52,6	17,07	0,235	+0,05	−9.6364	+7.2316	1.2323	9.7199	2875	358	ii.2610			
7661	146 41 26,6	17,07	0,317	−0,60	+9.3013	+9.8522	1.2323	9.7198	....	....	v.3308	8992	7114	
7662	82 27 40,4	17,09	−0,227	−0,01	−9.6980	−9.0484	1.2327	9.7190	2877	362	ii.2611			
7663	11 9 38,7	17,09	+0,036	+0,04	−9.7764	−9.9222	1.2327	9.7189	2894	....	.....	....	....	G 3648
7664	77 35 43,2	17,09	−0,223	0,00	−9.7293	−9.2626	1.2327	9.7187	2879	363	ii.2612			
7665	108 37 11,9	17,10	0,252	+0,09	−9.3879	+9.4349	1.2329	9.7183	....	361	iii.2756	....	....	M 911
7666	107 41 3,2	17,11	0,251	−0,08	−9.4065	+9.4136	1.2333	9.7174	2878	365	ii.2613	....	....	W 1193
7667	147 0 50,5	17,12	0,315	−0,69	+9.3030	+9.8548	1.2334	9.7170	....	....	.....	8997	....	R 555
7668	33 3 28,4	17,12	0,152	−0,02	−9.8283	−9.8545	1.2334	9.7169	2884	373	iv.1900			
7669	150 21 29,2	17,16	0,324	−0,04	+9.3718	+9.8713	1.2345	9.7141	....	....	v.3309	9001	7117	
7670	97 14 41,2	17,16	0,238	−0,02	−9.5627	+9.0331	1.2346	9.7138	2882	374	ii.2614			
7671	161 0 43,2	17,17	0,383	−0,09	+9.5411	+9.9082	1.2347	9.7135	....	....	.....	8994	7116	
7672	92 52 37,2	17,17	0,234	−0,02	−9.6101	+8.6332	1.2348	9.7132	2883	376	ii.2615	....	....	M912,J547
7673	120 38 28,2	17,18	0,262	−0,02	−9.0430	+9.6401	1.2350	9.7126	2881	375	iii.2759	9009	7118	
7674	79 20 10,6	17,19	0,221	+0,01	−9.7175	−9.2003	1.2352	9.7120	2885	380	ii.2617			
7675	117 32 41,0	17,19	0,258	−0,03	−9.1664	+9.5982	1.2354	9.7116	....	378	ii.2616	9014	7120	B.F 3004
7676	37 50 22,2	17,21	0,164	0,00	−9.8273	−9.8310	1.2357	9.7107	....	383	iii.2760	....	....	G 3652
7677	15 43 20,6	17,21	−0,047	+0,08	−9.7868	−9.9169	1.2357	9.7106	2897	....	.....	....	....	G 3660
7678	10 24 24,0	17,21	+0,050	.....	−9.7658	−9.9264	1.2358	9.7103	....	....	.....	....	....	G 3667
7679	47 54 31,2	17,22	−0,183	.....	−9.8233	−9.7600	1.2360	9.7100	....	....	.....	....	....	G 3653
7680	95 33 53,7	17,22	0,234	.....	−9.5823	+8.9206	1.2361	9.7095	2886	....	.....	....	....	B 53
7681	46 4 18,4	17,23	0,180	.....	−9.8245	−9.7753	1.2363	9.7090	....	....	.....	....	....	G 3655
7682	161 37 54,8	17,23	0,383	−0,22	+9.5425	+9.9114	1.2363	9.7089	....	....	.....	9002	7122	
7683	32 43 18,9	17,24	0,150	0,00	−9.8226	−9.8592	1.2365	9.7086	2892	385	iii.2763			
7684	130 15 55,1	17,24	0,272	+0,22	−6.9031	+9.7447	1.2365	9.7085	....	381	iii.2761	9017	7126	J 548
7685	91 37 46,3	17,24	0,230	+0,03	−9.6225	+8.3882	1.2365	9.7084	2887	382	ii.2618			
7686	17 32 0,0	17,24	0,068	+0,18	−9.7909	−9.9136	1.2365	9.7084	2900	394	iii.2764			
7687	166 50 45,9	17,26	0,445	+0,04	+9.5989	+9.9232	1.2370	9.7070	....	....	.....	8996	7123	
7688	91 2 47,6	17,28	0,228	−0,01	−9.6280	+8.1970	1.2376	9.7052	2890	387	ii.2619	....	7129	M914,J550
7689	85 40 22,3	17,29	0,223	−0,09	−9.6730	−8.8131	1.2377	9.7051	2891	388	ii.2620			
7690	96 4 57,0	17,29	0,232	.....	−9.5773	+8.9607	1.2378	9.7048	2888	....	ii.2621	....	....	W 1195
7691	104 35 43,1	17,30	0,240	+0,05	−9.4660	+9.3371	1.2379	9.7044	2889	389	ii.2622	....	....	M913,J551
7692	137 41 3,2	17,31	0,281	+0,18	+8.9085	+9.8051	1.2384	9.7030	....	....	ii.2623	9021	7130	J552,R556
7693	61 45 44,2	17,31	0,199	−0,04	−9.7931	−9.6112	1.2384	9.7029	2895	396	ii.2624			
7694	112 58 7,3	17,32	0,247	−0,14	−9.3071	+9.5276	1.2385	9.7026	....	393	iv.1908	9026		
7695	43 29 40,2	−17,32	−0,173	.....	−9.8223	−9.7970	−1.2386	−9.7023	....	....	.....	....	....	G 3669

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
			h m s	s	s	s	*a*	*b*	*c*	*d*
7696	15 Cephei	6	21 59 1,09	+1,946	+0,0059	+0,016	+9.0496	−8.8154	+0.2891	+8.9831
7697*	Aquarii.....	6½	59 18,89	3,203	−0,0112	.....	8.7690	8.5334	0.5056	−8.0564
7698	Cephei	6	59 19,31	1,946	+0,0059	−0,003	9.0506	8.8150	0.2892	+8.9843
7699*	18 Cephei	5	59 22,29	1,786	+0,0024	−0,016	9.0948	8.8589	0.2520	+9.0423
7700*	17 Cephei ..... ξ	5	59 27,01	1,701	0,0000	+0,037	9.1174	8.8813	0.2306	+9.0707
7701	14 Piscis Aust. .... μ	5½	59 37,60	3,518	−0,0280	+0,014	8.8410	8.6041	0.5463	−8.5854
7702*	Piscis Aust.	6½	59 38,65	3,536	−0,0290	−0,006	8.8464	8.6093	0.5485	−8.6022
7703*	Aquarii.....	7½	59 47,09	3,198	−0,0109	.....	8.7690	8.5314	0.5049	−8.0420
7704*	Aquarii.....	7½	59 50,13	3,148	−0,0087	+0,004	8.7641	8.5263	0.4980	−7.8219
7705	Lacertæ	6	21 59 56,51	2,418	+0,0089	−0,021	8.9066	8.6682	0.3835	+8.7506
7706	24 Pegasi ..... ι	4	22 0 1,84	2,764	+0,0039	+0,024	8.8028	8.5641	0.4416	+8.4225
7707	20 Cephei	6	0 27,12	1,815	+0,0032	−0,003	9.0911	8.8506	0.2588	+9.0373
7708*	19 Cephei	5½	0 31,89	1,842	+0,0040	+0,027	9.0841	8.8432	0.2652	+9.0282
7709*	Aquarii.....	7½	0 41,68	3,237	−0,0128	.....	8.7754	8.5338	0.5101	−8.1600
7710	Tucanæ	7	0 44,33	4,063	−0,0693	−0,005	9.0168	8.7750	0.6089	−8.9364
7711	35 Aquarii.....	5½	0 45,07	3,303	−0,0160	+0,001	8.7873	8.5454	0.5189	−8.3054
7712	25 Pegasi	6	0 47,78	2,816	+0,0027	+0,002	8.7921	8.5500	0.4496	+8.3459
7713*	Octantis ..... υ	6	1 10,83	14,642	−3,8719	.....	0.0056	9.7619	1.1656	−0.0049
7714*	15 Piscis Aust.	5½	1 20,96	3,505	−0,0274	+0,041	8.8407	8.5962	0.5447	−8.5801
7715*	Piscis Aust.	6	1 26,99	3,438	−0,0234	+0,019	8.8213	8.5764	0.5363	−8.5072
7716*	36 Aquarii.....	7	1 30,85	3,174	−0,0099	+0,008	8.7684	8.5232	0.5017	−7.9589
7717*	Aquarii.....	7½	1 34,80	3,167	−0,0096	+0,009	8.7677	8.5222	0.5006	−7.9251
7718	Cephei	6½	2 7,03	2,014	+0,0075	+0,014	9.0409	8.7930	0.3040	+8.9698
7719	37 Aquarii..... e^1	6	2 31,38	3,205	−0,0114	+0,003	8.7731	8.5234	0.5058	−8.0748
7720*	Aquarii.....	7	2 33,03	3,124	−0,0077	+0,007	8.7656	8.5158	0.4947	−7.6725
7721	27 Pegasi ..... π^1	5	2 35,15	2,654	+0,0065	+0,001	8.8379	8.5880	0.4239	+8.5674
7722	38 Aquarii ..... e^2	6	2 36,21	3,214	−0,0117	+0,008	8.7743	8.5243	0.5070	−8.1028
7723	26 Pegasi ..... θ	4	2 38,01	3,008	−0,0032	+0,025	8.7663	8.5161	0.4783	+7.7448
7724	Aquarii.....	7	2 42,60	3,335	−0,0179	+0,012	8.7971	8.5466	0.5231	−8.3701
7725	Octantis ..... ε	5½	2 43,52	7,287	−0,6337	−0,052	9.5785	9.3279	0.8626	−9.5733
7726*	Aquarii.....	6½	2 44,25	3,128	−0,0079	+0,001	8.7661	8.5154	0.4953	−7.7067
7727	Lacertæ	6	2 44,99	2,364	+0,0096	.....	8.9323	8.6816	0.3736	+8.7978
7728	Tucanæ	6	2 53,10	4,065	−0,0708	−0,020	9.0247	8.7735	0.6091	−8.9467
7729	Piscis Aust.	6½	2 56,72	3,417	−0,0224	+0,004	8.8182	8.5667	0.5336	−8.4882
7730	Octantis	6	3 2,62	6,211	−0,3869	·· 0,158	9.4559	9.2039	0.7931	−9.4467
7731	29 Pegasi ..... π^2	4	3 19,77	+2,656	+0,0065	+0,002	8.8387	8.5855	+0.4243	+8.5683
7732	Cephei	6	3 22,28	−1,652	−0,3979	.....	9.6295	9.3760	−0.2180	+9.6254
7733	28 Pegasi	6	3 25,01	+2,831	+0,0026	+0,001	8.7928	8.5392	+0.4519	+8.3319
7734	Gruis	6½	3 28,98	+3,840	−0,0519	−0,029	8.9552	8.7013	+0.5844	−8.8381
7735	Cephei	6	3 29,46	−1,647	−0,3974	+0,017	9.6296	9.3756	−0.2167	+9.6255
7736	Cephei	6	3 32,01	+2,007	+0,0076	+0,017	9.0479	8.7937	+0.3024	+8.9789
7737	Lacertæ	7	3 32,99	2,476	+0,0090	+0,002	8.8973	8.6431	0.3937	+8.7266
7738	Cephei	6½	3 54,35	2,028	+0,0079	+0,018	9.0429	8.7870	0.3070	+8.9718
7739	Piscis Aust.	6½	4 7,62	3,412	−0,0223	+0,003	8.8192	8.5624	0.5331	−8.4883
7740*	Aquarii.....	7	22 4 17,21	+3,206	−0,0114	+0,021	+8.7753	−8.5178	+0.5059	−8.0861

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7696	30 54 42,5	−17,33	−0,143	0,00	−9.8163	−9.8699	−1.2387	−9.7022	2902	399	iii.2766			
7697	101 10 33,8	17,34	0,235	.....	−9.5163	+9.2242	1.2390	9.7012	....	....	.....	....	....	B.F 3014
7698	30 51 37,0	17,34	0,143	+0,06	−9.8156	−9.8705	1.2390	9.7012	....	401	iii.2768	....	....	G 3674
7699	27 36 34,2	17,34	0,131	.....	−9.8104	−9.8843	1.2391	9.7010	2906	....	.....	....	....	G 3676
7700	26 6 7,6	17,34	0,125	−0,08	−9.8074	−9.8902	1.2392	9.7008	2907	408	ii.2625			
7701	123 43 2,8	17,35	0,257	−0,01	−8.9175	+9.6815	1.2393	9.7002	2893	397	iii.2767	9029	7131	
7702	124 44 48,1	17,35	0,259	−0,63	−8.8507	+9.6930	1.2394	9.7001	....	....	v.3313	9030	7132	
7703	100 48 25,8	17,36	0,234	.....	−9.5217	+9.2103	1.2395	9.6997	....	....	.....	....	....	B.F 3015
7704	96 33 33,6	17,36	0,230	.....	−9.5728	+8.9952	1.2396	9.6995	2896					
7705	45 42 51,5	17,37	0,176	+0,10	−9.8195	−9.7815	1.2397	9.6992	....	405	iii.2769	....	....	G 3679
7706	65 23 7,4	17,37	0,202	−0,05	−9.7801	−9.5572	1.2398	9.6989	2899	402	ii.2626			
7707	27 56 43,1	17,39	0,132	−0,04	−9.8086	−9.8842	1.2402	9.6975	2911	415	iii.2772			
7708	28 26 54,8	17,39	0,134	+0,02	−9.8093	−9.8822	1.2403	9.6972	2910	416	iii.2771	....	....	G 3686
7709	104 1 49,8	17,40	0,235	.....	−9.4777	+9.3229	1.2405	9.6967	....	....	.....	....	....	B.F 3020
7710	146 11 20,5	17,40	0,295	+1,14	+9.2345	+9.8579	1.2406	9.6965	....	....	v.3314	9031	7133	R 557
7711	109 15 3,4	17,40	0,240	−0,02	−9.3906	+9.4565	1.2406	9.6965	2898	407	ii.2627			
7712	69 1 28,9	17,40	0,204	+0,01	−9.7657	−9.4922	1.2406	9.6963	2903	413	ii.2628			
7713	176 43 22,5	17,42	1,058	.....	+9.6719	+9.9381	1.2410	9.6951	....	....	.....	8924	7119	J 549
7714	123 17 0,1	17,43	0,253	−0,01	−8.9600	+9.6784	1.2412	9.6945	2901	410	iii.2773	9037	7135	
7715	119 1 34,4	17,43	0,248	−0,29	−9.1449	+9.6250	1.2413	9.6942	....	....	v.3315	9040	7136	
7716	98 55 16,0	17,43	0,229	+0,02	−9.5465	+9.1297	1.2414	9.6940	2905	414	ii.2629	....	....	W 1198
7717	98 15 40,1	17,44	0,228	.....	−9.5545	+9.0967	1.2415	9.6937	2904	....	.....	....	....	B.F 3023
7718	31 53 24,8	17,46	0,145	+0,04	−9.8109	−9.8688	1.2420	9.6919	....	4	iv.1918	....	....	G 3691
7719	101 33 23,4	17,48	0,229	−0,05	−9.5144	+9.2420	1.2425	9.6906	2908	418	ii.2630	....	....	M 915
7720	94 37 42,5	17,48	0,223	+0,20	−9.5943	+8.8471	1.2425	9.6905	2912	421	ii.2631	....	....	W 1200
7721	57 33 30,4	17,48	0,190	+0,03	−9.7988	−9.6698	1.2425	9.6904	2915	3	ii.2636			
7722	102 17 59,6	17,48	0,230	−0,04	−9.5046	+9.2688	1.2426	9.6903	2909	420	ii.2632	....	....	M 916
7723	84 32 17,1	17,48	0,215	−0,05	−9.6800	−8.9189	1.2426	9.6902	2914	1	ii.2634			
7724	111 58 0,6	17,49	0,238	+0,07	−9.3410	+9.5134	1.2427	9.6900	....	419	ii.2633	....	....	W 1202
7725	171 10 30,2	17,49	0,520	−0,83	+9.6205	+9.9353	1.2427	9.6899	....	....	.....	9010	7134	
7726	95 0 16,2	17,49	0,223	+0,21	−9.5906	+8.8812	1.2427	9.6899	2913	2	ii.2635	....	....	W 1203
7727	42 47 56,5	17,49	0,169	.....	−9.8156	−9.8060	1.2427	9.6898	....	....	.....	....	....	G 3692
7728	146 40 47,2	17,49	0,290	−0,33	+9.2312	+9.8627	1.2429	9.6894	....	....	v.3316	9044	7139	
7729	117 53 12,6	17,50	0,244	+0,04	−9.1903	+9.6107	1.2429	9.6892	....	....	v.3317	9050	7140	
7730	168 15 1,9	17,50	0,442	−0,30	+9.5908	+9.9316	1.2430	9.6888	....	....	.....	9022	7137	
7731	57 33 20,0	17,51	−0,189	−0,03	−9.7978	−9.6707	1.2433	9.6879	2917	6	ii.2637			
7732	7 51 12,8	17,51	+0,117	.....	−9.7339	−9.9371	1.2434	9.6877	....	....	.....	....	....	G 3707
7733	69 45 27,0	17,52	−0,201	0,00	−9.7602	−9.4803	1.2434	9.6876	2916	5	ii.2638			
7734	139 47 11,7	17,52	−0,273	−0,28	+8.9614	+9.8242	1.2435	9.6873	....	....	.....	9048	....	R 558
7735	7 51 13,8	17,52	+0,117	+0,03	−9.7336	−9.9372	1.2435	9.6873	2935	....	.....	....	....	G 3709
7736	31 26 25,0	17,52	−0,142	−0,01	−9.8072	−9.8724	1.2436	9.6872	....	11	iii.2774			
7737	47 32 53,5	17,52	0,176	+0,01	−9.8120	−9.7706	1.2436	9.6871	....	8	iv.1919	....	....	G 3694
7738	31 52 54,4	17,54	0,144	−0,08	−9.8070	−9.8707	1.2439	9.6859	....	16	iii.2775	....	....	B.H 465
7739	117 49 16,0	17,55	0,241	−0,02	−9.1981	+9.6110	1.2442	9.6851	....	....	v.3318	9056	7141	
7740	101 48 11,8	−17,55	−0,226	.....	−9.5131	+9.2529	−1.2443	−9.6846	2918	....	ii.2639	....	....	W 1205

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7741	39 Aquarii	7	22 4 20,19	+3,243	−0,0133	0,000	+8.7810	−8.5233	+0.5110	−8.1921
7742	Pegasi	6	4 36,73	2,894	+0,0008	+0,006	8.7821	8.5231	0.4615	+8.2035
7743	Lacertæ	6	4 49,73	2,485	+0,0093	.....	8.8975	8.6376	0.3953	+8.7255
7744*	Aquarii	7	4 55,12	3,132	−0,0081	−0,001	8.7687	8.5083	0.4958	−7.7470
7745	Aquarii	6	5 18,45	3,382	−0,0208	+0,017	8.8132	8.5510	0.5292	−8.4538
7746	Lacertæ	5	5 19,65	2,304	+0,0102	.....	8.9598	8.6976	0.3625	+8.8446
7747	40 Aquarii	7	5 24,91	3,215	−0,0119	+0,002	8.7779	8.5153	0.5071	−8.1188
7748*	Gruis	6	5 28,27	3,649	−0,0380	+0,072	8.8968	8.6339	0.5622	−8.7230
7749	21 Cephei ..... ζ	4	5 39,29	2,068	+0,0088	+0,003	9.0368	8.7731	0.3155	+8.9626
7750	16 Piscis Aust. .... λ	6	5 48,11	3,418	−0,0230	+0,007	8.8237	8.5594	0.5337	−8.5024
7751	41 Aquarii	6	6 0,61	3,326	−0,0177	+0,005	8.8001	8.5348	0.5219	−8.3702
7752*	Aquarii	7	6 2,84	3,129	−0,0079	+0,011	8.7697	8.5042	0.4954	−7.7263
7753	Pegasi	6	6 10,28	2,643	+0,0073	+0,017	8.8487	8.5827	0.4221	+8.5948
7754*	Cephei	6	6 23,99	2,125	+0,0095	+0,025	9.0217	8.7547	0.3273	+8.9408
7755	22 Cephei ..... λ	5½	6 25,61	2,026	+0,0084	+0,011	9.0523	8.7852	0.3066	+8.9839
7756	Gruis ..... μ^1	5	6 33,93	3,644	−0,0381	+0,023	8.8979	8.6301	0.5616	−8.7242
7757	Pegasi	6	6 46,91	2,735	+0,0055	+0,016	8.8221	8.5534	0.4370	+8.4918
7758	24 Cephei	5	6 54,77	1,167	−0,0244	+0,003	9.2696	9.0002	0.0669	+9.2468
7759*	Cephei	6	7 4	1,974	+0,0076	.....	9.0702	8.8001	0.2954	+9.0078
7760	Cephei	5½	7 13,66	1,391	−0,0120	+0,038	9.2226	8.9518	0.1433	+9.1939
7761*	Cephei	6	7 18,61	1,198	−0,0225	+0,025	9.2648	8.9937	0.0784	+9.2415
7762	Aquarii	7½	7 21,87	3,141	−0,0085	+0,011	8.7719	8.5004	0.4970	−7.8141
7763	Gruis ..... μ^2	5½	7 24,32	3,646	−0,0384	+0,003	8.9007	8.6291	0.5618	−8.7293
7764	Gruis	6	7 24,99	3,974	−0,0653	−0,002	9.0114	8.7397	0.5992	−8.9251
7765	Lacertæ	5	7 26,87	2,561	+0,0089	+0,013	8.8786	8.6068	0.4083	+8.6772
7766	Cephei	6	7 42,76	1,859	+0,0053	−0,006	9.1059	8.8329	0.2694	+9.0540
7767	Tucanæ ..... α	3	8 10,83	4,202	−0,0880	−0,008	9.0845	8.8094	0.6234	−9.0264
7768	Piscis Aust.	6	8 11,49	3,385	−0,0213	+0,011	8.8188	8.5436	0.5296	−8.4705
7769*	Gruis	6	8 19,05	3,943	−0,0630	.....	9.0044	8.7286	0.5958	−8.9141
7770	Lacertæ	6	8 26,29	2,503	+0,0097	.....	8.9007	8.6243	0.3985	+8.7279
7771	42 Aquarii	6	8 45,73	3,221	−0,0124	0,000	8.7829	8.5051	0.5080	−8.1535
7772	Aquarii	7	8 50,04	3,096	−0,0065	+0,003	8.7710	8.4929	0.4908	−7.3823
7773	43 Aquarii ..... θ	4½	8 54,96	3,164	−0,0096	+0,011	8.7756	8.4971	0.5002	−7.9467
7774*	Aquarii	6	8 57,22	3,178	−0,0102	−0,003	8.7772	8.4985	0.5022	−8.0075
7775*	Cephei	6½	9 6,89	1,880	+0,0060	−0,005	9.1054	8.8260	0.2742	+9.0530
7776	44 Aquarii	6	9 16,49	3,137	−0,0083	0,000	8.7736	8.4934	0.4966	−7.8024
7777	1 Lacertæ	5	9 26,24	2,603	+0,0085	+0,002	8.8690	8.5880	0.4155	+8.6485
7778	23 Cephei ..... ε	4½	9 30,93	2,141	+0,0104	+0,056	9.0272	8.7459	0.3307	+8.9472
7779*	Cephei	7½	10 8,91	1,108	−0,0288	+0,008	9.2954	9.0112	0.0444	+9.2749
7780*	Tucanæ	6	10 35,39	4,064	−0,0759	.....	9.0513	8.7651	0.6089	−8.9810
7781	45 Aquarii	6	10 57,56	3,224	−0,0126	+0,009	8.7860	8.4980	0.5084	−8.1713
7782	Cephei	6½	11 2,50	2,147	+0,0107	+0,027	9.0307	8.7423	0.3318	+8.9516
7783	Indi ..... ν	5½	11 34,83	5,061	−0,2046	+0,239	9.3070	9.0161	0.7042	−9.2875
7784	46 Aquarii ..... ρ	5½	12 18,22	3,162	−0,0095	+0,003	8.7790	8.4847	0.5000	−7.9523
7785	Octantis	6	22 12 39,57	+5,450	−0,2732	−0,003	+9.3838	−9.0879	+0.7364	−9.3703

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7741	104 55 54,7	−17,56	−0,229	+0,08	−9.4694	+9.3532	−1.2444	−9.6844	2919	9	ii.2640			
7742	74 41 51,7	17,57	0,204	+0,11	−9.7371	−9.3639	1.2447	9.6835	....	15	ii.2641	....	....	W 1207
7743	47 42 21,5	17,58	0,175	.....	−9.8096	−9.7707	1.2449	9.6827	....	....	.....	....	....	G 3700
7744	95 27 33,8	17,58	0,220	+0,15	−9.5868	+8.9212	1.2450	9.6824	2920	17	iii.2779			
7745	115 55 22,5	17,60	0,237	+0,12	−9.2565	+9.5838	1.2454	9.6811	....	19	v.3319	9063	7142	
7746	39 55 0,6	17,60	0,161	.....	−9.8105	−9.8280	1.2454	9.6810	....	....	.....	....	....	G 3703
7747	102 39 52,6	17,60	0,225	−0,04	−9.5028	+9.2842	1.2455	9.6807	2921	20	ii.2643	....	....	M 917
7748	132 5 11,4	17,60	0,255	+0,42	−6.9542	+9.7696	1.2456	9.6805	....	18	iv.1922	9061	7144	J 553 ?
7749	32 32 13,3	17,61	0,144	+0,01	−9.8040	−9.8694	1.2458	9.6799	2925	26	ii.2646			
7750	118 30 14,9	17,62	0,238	−0,82	−9.1855	+9.6224	1.2459	9.6794	2922	21	ii.2644	9065	7145	
7751	111 49 3,9	17,63	0,231	−0,09	−9.3533	+9.5141	1.2461	9.6786	2923	22	ii.2645			
7752	95 11 33,3	17,63	0,218	.....	−9.5900	+8.9006	1.2462	9.6785	2924	....	ii.2647	....	....	W 1211
7753	56 8 1,7	17,63	0,184	+0,10	−9.7964	−9.6901	1.2463	9.6781	....	29	iv.1924			
7754	33 54 21,7	17,64	0,147	−0,14	−9.8040	−9.8634	1.2465	9.6773	2926	....	.....	....	....	G 3712
7755	31 19 28,2	17,64	0,141	+0,04	−9.8006	−9.8759	1.2466	9.6772	2927	34	iii.2782			
7756	132 5 29,4	17,65	0,252	+0,11	−7.5563	+9.7708	1.2467	9.6767	....	23	ii.2648	9069	7146	J 554
7757	62 8 1,5	17,66	0,189	+0,10	−9.7819	−9.6144	1.2469	9.6759	....	32	iii.2783			
7758	18 23 50,5	17,66	0,081	+0,01	−9.7683	−9.9221	1.2471	9.6755	2932	40	iii.2785			
7759	29 59	17,67	0,136	.....	−9.7971	−9.8826	1.2472	9.6749	....	....	.....	....	....	A
7760	20 36 26,5	17,68	0,096	−0,08	−9.7744	−9.9164	1.2474	9.6744	....	....	.....	....	....	G 3719, P 1010
7761	18 37 34,5	17,68	0,083	+0,01	−9.7679	−9.9219	1.2475	9.6741	2934	45	iii.2786	....	....	G 3723
7762	96 19 42,0	17,68	0,216	+0,08	−9.5790	+8.9876	1.2475	9.6739	....	35	iv.1927	....	....	A 510
7763	132 22 15,0	17,68	0,251	+0,08	−7.4314	+9.7739	1.2476	9.6737	....	31	ii.2649	9075	7148	
7764	145 3 53,9	17,68	0,273	−0,17	+9.1405	+9.8591	1.2476	9.6737	....	....	v.3321	9071	7147	
7765	51 1 43,4	17,69	0,176	+0,16	−9.8021	−9.7440	1.2476	9.6736	....	36	ii.2650			B.H 843
7766	27 26 54,9	17,70	0,128	−0,04	−9.7907	−9.8938	1.2479	9.6726	....	42	iv.1929	....	....	A
7767	151 0 14,5	17,72	0,287	0,00	+9.3002	+9.8880	1.2483	9.6710	....	....	ii.2651	9074	7149	J555, R559
7768	116 38 38,5	17,72	0,231	+0,19	−9.2497	+9.5978	1.2484	9.6709	....	37	ii.2652	9080	7150	W 1212
7769	144 19 37,2	17,72	0,269	.....	+9.1048	+9.8560	1.2485	9.6705	....	....	.....	9076		
7770	47 47 19,1	17,73	0,171	.....	−9.8033	−9.7737	1.2486	9.6701	....	....	.....	....	....	G 3725
7771	103 34 35,1	17,74	0,219	−0,04	−9.4946	+9.3173	1.2489	9.6689	2928	41	ii.2653			
7772	92 20 29,1	17,74	0,211	+0,04	−9.6176	+8.5580	1.2490	9.6686	....	43	ii.2654	....	....	W 1214
7773	98 31 40,8	17,75	0,215	0,00	−9.5564	+9.1180	1.2491	9.6683	2929	44	ii.2655	....	7151	M918, J556
7774	99 47 9,1	17,75	0,216	+0,02	−9.5421	+9.1773	1.2491	9.6682	2930	46	ii.2656	....	....	M 919
7775	27 34 48,3	17,75	0,128	−0,07	−9.7876	−9.8947	1.2493	9.6676	2938	53	iv.1931			
7776	96 8 3,2	17,76	0,213	−0,05	−9.5820	+8.9760	1.2494	9.6670	2931	48	ii.2657			
7777	52 59 47,4	17,77	0,176	−0,02	−9.7964	−9.7269	1.2496	9.6665	2933	49	ii.2658			
7778	33 42 10,9	17,77	0,145	−0,04	−9.7969	−9.8675	1.2497	9.6662	2937	54	ii.2659			
7779	17 26 13,4	17,80	0,075	.....	−9.7559	−9.9277	1.2503	9.6639	2942	....	.....	....	....	B 54
7780	148 15 24,1	17,81	0,272	.....	+9.2106	+9.8781	1.2507	9.6623	....	....	.....	9092		
7781	104 3 10,4	17,83	0,215	−0,05	−9.4911	+9.3342	1.2511	9.6609	2936	56	iii.2790			
7782	33 31 36,8	17,83	0,143	0,00	−9.7933	−9.8699	1.2512	9.6606	....	61	iii.2792	....	....	G 3731
7783	162 58 50,9	17,85	0,336	+0,78	+9.4895	+9.9300	1.2517	9.6586	....	....	.....	9082	7153	
7784	98 34 16,9	17,88	0,209	−0,05	−9.5582	+9.1235	1.2524	9.6559	2939	63	ii.2661	....	....	M 920, P 1014
7785	165 46 9,3	−17,90	−0,359	−0,44	+9.5197	+9.9370	−1.2527	−9.6546	....	....	.....	9090	7154	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7786	Cephei	6	22 12 47,23	+1,755	+0,0031	.....	+9.1548	−8.8583	+0.2443	+9.1134
7787	Cephei	6	12 50,33	2,302	+0,0118	.....	8.9843	8.6876	0.3621	+8.8803
7788	30 Pegasi	5	12 54,79	3,018	−0,0030	+0,007	8.7764	8.4792	0.4797	+7.7199
7789	25 Cephei	6	13 19,29	1,939	+0,0081	+0,001	9.1042	8.8052	0.2877	+9.0504
7790	47 Aquarii	5	13 19,93	3,317	−0,0180	+0,002	8.8090	8.5099	0.5208	−8.3890
7791	Indi	6	13 20,82	4,832	−0,1733	+0,004	9.2666	8.9674	0.6841	−9.2427
7792	Gruis	6½	13 32,51	3,706	−0,0453	−0,016	8.9391	8.6390	0.5689	−8.8011
7793	Aquarii	7	13 32,77	3,144	−0,0087	+0,003	8.7785	8.4784	0.4975	−7.8642
7794	Gruis ..... π	6	13 53,68	3,704	−0,0452	+0,001	8.9392	8.6375	0.5687	−8.8011
7795	48 Aquarii ..... γ	3	13 54,52	3,093	−0,0062	+0,013	8.7759	8.4741	0.4904	−7.3484
7796	31 Pegasi	4½	14 8,29	2,950	−0,0002	+0,005	8.7846	8.4816	0.4698	+8.0824
7797	Gruis	6½	14 11,50	3,719	−0,0465	−0,001	8.9456	8.6424	0.5704	−8.8127
7798	32 Pegasi	5½	14 24,10	2,760	+0,0060	+0,003	8.8285	8.5243	0.4409	+8.4940
7799	Cephei	6	14 36,64	2,185	+0,0117	+0,009	9.0306	8.7254	0.3395	+8.9500
7800	2 Lacertæ	5	14 50,20	2,462	+0,0115	+0,003	8.9330	8.6268	0.3913	+8.7884
7801	Tucanæ	6	14 56,55	4,038	−0,0764	+0,022	9.0590	8.7522	0.6061	−8.9899
7802	49 Aquarii	6	15 8,85	3,353	−0,0203	+0,011	8.8214	8.5136	0.5254	−8.4557
7803	Lacertæ	6	15 38,55	2,523	+0,0109	.....	8.9131	8.6030	0.4018	+8.7468
7804	Aquarii	7	15 40,03	3,153	−0,0090	+0,010	8.7815	8.4712	0.4987	−7.9223
7805	51 Aquarii	6	16 17,94	3,128	−0,0079	+0,002	8.7799	8.4667	0.4953	−7.7689
7806	50 Aquarii	6	16 24,63	3,219	−0,0126	+0,004	8.7916	8.4778	0.5078	−8.1839
7807*	33 Pegasi	6½	16 26,60	2,857	+0,0033	+0,027	8.8053	8.4913	0.4559	+8.3412
7808	Tucanæ ..... δ	5	16 35,73	4,364	−0,1149	−0,016	9.1642	8.8495	0.6398	−9.1240
7809	Aquarii	7	16 51,32	3,090	−0,0060	0,000	8.7786	8.4627	0.4900	−7.3098
7810	Cephei	6	17 16,51	1,772	+0,0042	.....	9.1686	8.8506	0.2485	+9.1291
7811	Tucanæ	6½	17 27,01	4,024	−0,0771	+0,011	9.0641	8.7452	0.6047	−8.9961
7812	Cephei	5½	17 28,30	2,196	+0,0124	.....	9.0373	8.7184	0.3416	+8.9586
7813	Cephei	6	17 29,65	2,239	+0,0126	+0,002	9.0226	8.7035	0.3500	+8.9370
7814	52 Aquarii ..... π	5	17 37,05	3,064	−0,0048	+0,004	8.7791	8.4594	0.4864	+6.8120
7815	3 Lacertæ ..... β	4½	17 39,88	2,345	+0,0127	−0,002	8.9847	8.6649	0.3702	+8.8782
7816	Indi	6	17 42,40	4,518	−0,1363	+0,310	9.2106	8.8905	0.6550	−9.1786
7817	Aquarii	6	17 52,31	3,333	−0,0194	−0,007	8.8201	8.4992	0.5228	−8.4369
7818*	Aquarii	6½	18 25,06	3,251	−0,0145	+0,020	8.8004	8.4768	0.5121	−8.2785
7819	53 Aquarii	6½	18 25,62	3,251	−0,0145	+0,016	8.8004	8.4768	0.5121	−8.2786
7820	4 Lacertæ	5	18 26,49	2,418	+0,0126	−0,002	8.9604	8.6367	0.3834	+8.8363
7821	54 Aquarii	7½	18 43,73	3,192	−0,0113	+0,009	8.7896	8.4646	0.5041	−8.1071
7822*	Tucanæ	6	18 47,18	4,094	−0,0855	.....	9.0920	8.7666	0.6121	−9.0330
7823	34 Pegasi	5½	18 59,20	3,034	−0,0033	+0,021	8.7812	8.4548	0.4821	+7.5827
7824	Lacertæ	6½	19 3,64	2,379	+0,0130	+0,006	8.9768	8.6501	0.3765	+8.8642
7825	Lacertæ	6	19 21,97	2,402	+0,0130	0,000	8.9693	8.6411	0.3805	+8.8513
7826*	Gruis	6	19 50,95	3,544	−0,0346	+0,014	8.8961	8.5655	0.5494	−8.7032
7827	35 Pegasi	5½	20 16,14	3,032	−0,0032	+0,009	8.7825	8.4498	0.4817	+7.6201
7828	Gruis ..... δ^1	4	20 17,06	3,620	−0,0408	+0,004	8.9264	8.5937	0.5587	−8.7702
7829	Cephei	6	20 46,05	1,990	+0,0105	+0,001	9.1184	8.7833	0.2988	+9.0666
7830	Gruis ..... δ^2	5	22 20 46,75	+3,622	−0,0411	+0,010	+8.9288	−8.5936	+0.5590	−8.7745

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7786	24 37 15,4	−17,90	−0,115	.....	−9.7714	−9.9092	−1.2529	−9.6541	....	....	.....	....	....	G 3739
7787	38 5 40,1	17,90	0,151	.....	−9.7941	−9.8467	1.2529	9.6539	....	....	.....	....	....	G 3738
7788	84 57 46,5	17,91	0,198	+0,03	−9.6739	−8.8943	1.2530	9.6536	2941	66	ii.2662			
7789	27 56 47,1	17,92	0,127	0,00	−9.7781	−9.8973	1.2534	9.6521	2947	75	iii.2795			
7790	112 20 49,7	17,92	0,217	+0,03	−9.3632	+9.5312	1.2534	9.6521	2940	67	ii.2663	....	....	J 557
7791	161 11 8,6	17,92	0,316	+0,13	+9.4545	+9.9273	1.2534	9.6520	....	....	.....	9099	7157	R 560
7792	136 42 0,5	17,93	0,242	−0,08	+8.4533	+9.8134	1.2536	9.6513	....	....	v.3323	9107	7158	R 561
7793	96 59 45,4	17,93	0,205	+0,01	−9.5753	+9.0370	1.2536	9.6513	....	68	iv.1940			
7794	136 40 51,3	17,94	0,241	+0,16	+8.4346	+9.8136	1.2539	9.6499	....	....	v.3324	9108	7159	R 562
7795	92 8 28,6	17,95	0,201	−0,04	−9.6201	+8.5242	1.2539	9.6499	2943	72	ii.2664	....	7160	M 921, J 558
7796	78 32 52,7	17,95	0,192	−0,04	−9.7108	−9.2498	1.2541	9.6490	2944	74	ii.2665			
7797	137 25 25,6	17,96	0,242	+0,05	+8.5366	+9.8191	1.2542	9.6488	....	....	.....	9110	....	R 563
7798	62 25 21,5	17,96	0,179	−0,04	−9.7712	−9.6177	1.2544	9.6480	2946	77	ii.2666			
7799	33 50 6,2	17,97	0,142	−0,01	−9.7855	−9.8718	1.2546	9.6472	....	80	iii.2798	....	....	G 3746
7800	44 13 1,7	17,98	0,159	−0,02	−9.7924	−9.8079	1.2548	9.6463	2948	79	ii.2667			
7801	148 32 18,1	17,98	0,261	+0,22	+9.1790	+9.8836	1.2549	9.6459	....	....	v.3325	9112	7161	R 564
7802	115 31 11,0	17,99	0,216	+0,01	−9.3038	+9.5872	1.2551	9.6451	2945	78	ii.2668	9116	7162	
7803	47 0 32,6	18,01	0,162	.....	−9.7905	−9.7870	1.2556	9.6432	....	....	.....	....	....	G 3751
7804	97 57 1,1	18,01	0,202	−0,03	−9.5670	+9.0942	1.2556	9.6431	....	81	ii.2669	....	....	B.F 3059
7805	95 35 40,2	18,04	0,199	+0,02	−9.5903	+8.9429	1.2562	9.6407	2950	85	ii.2671	....	....	M 922
7806	104 17 15,6	18,04	0,205	−0,04	−9.4951	+9.3464	1.2563	9.6403	2949	86	ii.2672			
7807	69 54 30,8	18,04	0,182	+0,02	−9.7463	−9.4900	1.2563	9.6401	2951	88	iii.2800			
7808	155 43 41,9	18,05	0,278	+0,18	+9.3406	+9.9140	1.2564	9.6395	....	....	ii.2670	9114	7163	J 559
7809	91 56 49,0	18,06	0,196	+0,04	−9.6221	+8.4856	1.2567	9.6385	....	89	ii.2673	....	....	M 923
7810	24 3 2,9	18,07	0,112	.....	−9.7579	−9.9154	1.2571	9.6369	....	....	.....	....	....	G 3760
7811	148 45 42,2	18,08	0,254	+0,16	+9.1611	+9.8870	1.2572	9.6362	....	....	v.3326	9125	7165	
7812	33 28 22,4	18,08	0,139	.....	−9.7783	−9.8763	1.2572	9.6361	....	....	.....	....	....	G 3758
7813	34 47 43,4	18,08	0,141	+0,09	−9.7802	−9.8695	1.2573	9.6360	....	92	iii.2802	....	....	G 3757
7814	89 22 54,7	18,09	0,193	−0,01	−9.6421	−7.9880	1.2574	9.6355	2952	90	ii.2674			
7815	38 31 13,9	18,09	0,148	+0,17	−9.7841	−9.8486	1.2574	9.6353	2956	95	ii.2676			
7816	158 16 0,7	18,09	0,285	+2,77	+9.3808	+9.9232	1.2574	9.6352	....	....	.....	9117	7164	
7817	114 26 37,5	18,10	0,210	+0,12	−9.3359	+9.5722	1.2576	9.6345	....	91	ii.2675	9132	7167	W 1223
7818	107 30 4,3	18,12	0,203	−0,05	−9.4547	+9.4340	1.2581	9.6323	2953	93	ii.2677	....	....	A 515
7819	107 30 9,2	18,12	0,203	−0,04	−9.4547	+9.4341	1.2581	9.6323	2954	94	ii.2678	....	....	A 516
7820	41 16 57,9	18,12	0,151	+0,02	−9.7843	−9.8318	1.2581	9.6322	2958	99	ii.2679			
7821	101 59 18,9	18,13	0,199	−0,03	−9.5260	+9.2736	1.2584	9.6311	2955	98	iii.2804	....	....	M 924
7822	150 48 35,5	18,13	0,255	.....	+9.2082	+9.8972	1.2584	9.6309	....	....	.....	9129		
7823	86 22 9,9	18,14	0,189	−0,05	−9.6629	−9.7579	1.2586	9.6300	2957	100	ii.2680			
7824	39 30 22,7	18,14	0,148	+0,06	−9.7818	−9.8438	1.2587	9.6297	....	103	iii.2806	....	....	G 3767
7825	40 21 35,4	18,15	0,149	+0,07	−9.7817	−9.8387	1.2589	9.6285	....	105	iii.2807	....	....	G 3769
7826	129 53 22,0	18,17	0,219	+0,32	−8.7896	+9.7642	1.2594	9.6266	....	102	iii.2808	9136	7171	
7827	86 3 16,0	18,19	0,186	+0,29	−9.6646	−8.7952	1.2597	9.6249	2959	107	ii.2682			
7828	134 15 35,5	18,19	0,223	+0,04	−8.2201	+9.8013	1.2598	9.6248	....	104	ii.2681	9138	7172	J 560
7829	27 26 1,7	18,20	0,122	−0,04	−9.7576	−9.9061	1.2602	9.6228	....	115	iv.1948	....	....	G 3777
7830	134 30 56,6	−18,21	0,222	+0,18	−8.1847	+9.8037	−1.2602	−9.6228	....	108	ii.2683	9140	7173	J 561, R 565

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7831	Octantis	6	22 20 49,81	+6,107	−0,4420	−0,102	+9.5229	−9.1874	+0.7858	−9.5156
7832*	55 Aquarii..... ζ	4	21 6,43	3,078	−0,0053	+0,014	8.7822	8.4454	0.4883	−6.9192
7833	36 Pegasi	6½	21 39,25	2,989	−0,0011	+0,010	8.7873	8.4477	0.4755	+7.9501
7834	Gruis	7	21 43,13	3,624	−0,0417	+0,014	8.9322	8.5923	0.5592	−8.7806
7835*	Aquarii.....	6½	21 59,98	3,206	−0,0121	+0,011	8.7954	8.4541	0.5059	−8.1693
7836	56 Aquarii.....	6	22 14,68	3,223	−0,0131	+0,004	8.7989	8.4564	0.5082	−8.2217
7837*	26 Cephei	6	22 16,23	1,918	+0,0092	−0,003	9.1471	8.8044	0.2829	+9.1021
7838	37 Pegasi	6	22 23,00	3,035	−0,0032	−0,001	8.7842	8.4409	0.4822	+7.5906
7839*	Piscis Aust. .... ζ	6	22 32,95	3,350	−0,0211	0,000	8.8329	8.4889	0.5250	−8.4875
7840*	57 Aquarii..... σ	5	22 42,37	3,182	−0,0108	+0,002	8.7923	8.4474	0.5027	−8.0898
7841	Tucanæ..... ν	5	22 47,98	4,139	−0,0945	−0,021	9.1229	8.7776	0.6169	−9.0718
7842	17 Piscis Aust. ....β	4	22 58,06	3,429	−0,0267	+0,008	8.8607	8.5146	0.5352	−8.5982
7843	38 Pegasi	6	23 10,67	2,731	+0,0083	+0,008	8.8546	8.5074	0.4363	+8.5765
7844	Gruis	6	23 16,64	3,600	−0,0403	+0,016	8.9273	8.5796	0.5563	−8.7693
7845	5 Lacertæ	5	23 18,85	2,485	+0,0132	+0,018	8.9498	8.6019	0.3953	+8.8135
7846	Cephei	6	23 29,97	2,333	+0,0143	.....	9.0096	8.6608	0.3678	+8.9147
7847*	Cephei	7	23 35,57	2,209	+0,0140	+0,008	9.0557	8.7064	0.3442	+8.9824
7848	27 Cephei ..... δ	4½	23 36,61	2,209	+0,0141	+0,004	9.0559	8.7064	0.3442	+8.9826
7849	58 Aquarii.....	6	23 43,99	3,183	−0,0108	+0,006	8.7935	8.4434	0.5029	−8.0995
7850	6 Lacertæ	5½	24 1,31	+2,575	+0,0121	0,000	8.9160	8.5645	+0.4108	+8.7445
7851*	Ursæ Minoris	5½	24 33,45	−3,577	−1,1224	+0,076	9.8762	9.5219	−0.5535	+9.8747
7852*	Indi	6	24 43,11	+4,704	−0,1754	.....	9.2885	8.9334	+0.6725	−9.2660
7853	Gruis.....	6	24 49,07	+3,843	−0,0636	−0,002	9.0275	8.6719	+0.5847	−8.9412
7854	Ursæ Minoris	7	25 3,50	−3,713	−1,1826	+0,031	9.8875	9.5306	−0.5698	+9.8861
7855	7 Lacertæ .....α	4	25 7,14	+2,441	+0,0141	+0,016	8.9731	8.6160	+0.3875	+8.8543
7856	39 Pegasi	6	25 20,79	2,881	+0,0037	+0,015	8.8113	8.4530	0.4595	+8.3339
7857	28 Cephei	5½	25 31,26	0,546	−0,0879	−0,009	9.4688	9.1096	9.7370	+9.4592
7858	Lacertæ	6	25 48,65	2,638	+0,0111	.....	8.8957	8.5350	0.4213	+8.6947
7859	Cephei	6	26 4,01	0,069	−0,1520	.....	9.5439	9.1818	8.8407	+9.5371
7860	Tucanæ.....	6	26 8,04	3,945	−0,0753	+0,010	9.0703	8.7079	0.5960	−9.0018
7861	Aquarii.....	7	26 12,32	3,168	−0,0101	+0,002	8.7937	8.4309	0.5008	−8.0494
7862	Gruis	6	26 15,59	3,761	−0,0562	−0,004	9.0009	8.6378	0.5752	−8.8996
7863	60 Aquarii.....	6½	26 18,99	3,092	−0,0058	+0,005	8.7869	8.4236	0.4903	−7.3987
7864	59 Aquarii..... υ	5	26 28,91	3,279	−0,0170	+0,017	8.8179	8.4537	0.5158	−8.3815
7865	Aquarii.....	7	26 55,56	3,072	−0,0048	+0,003	8.7871	8.4206	0.4875	−6.2761
7866*	Aquarii.....	5½	27 20,50	3,313	−0,0194	.....	8.8293	8.4606	0.5203	−8.4514
7867	Gruis	6½	27 32,25	3,676	−0,0488	−0,022	8.9713	8.6016	0.5654	−8.8496
7868	62 Aquarii..... η	4	27 38,91	3,079	−0,0051	+0,008	8.7877	8.4174	0.4884	−6.9785
7869	Gruis .....σ^1	6	27 43,38	3,532	−0,0361	+0,015	8.9123	8.5416	0.5480	−8.7323
7870	61 Aquarii.....	6½	27 43,89	3,243	−0,0148	−0,001	8.8101	8.4394	0.5110	−8.3055
7871	Cephei	6	27 51,85	2,299	+0,0154	+0,005	9.0386	8.6672	0.3616	+8.9564
7872	Piscis Aust.	6	28 8,27	3,402	−0,0260	−0,005	8.8617	8.4889	0.5317	−8.5912
7873	Gruis .....σ^2	6	28 15,27	3,529	−0,0361	+0,060	8.9128	8.5393	0.5477	−8.7329
7874	29 Cephei ..... ρ	6	28 30,03	0,614	−0,0827	−0,002	9.4724	9.0976	9.7882	+9.4629
7875	Cephei	6	22 28 30,89	+2,133	+0,0147	.....	+9.1028	−8.7280	+0.3290	+9.0447

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7831	169 32 18,9	−18,21	−0,374	−0,30	+9.5232	+9.9507	−1.2602	−9.6226	....	....	.....	9122	7170	
7832	90 47 8,4	18,22	0,188	−0,05	−9.6317	+8.0953	1.2605	9.6214	2960	111	ii.2684	....	....	M925, J562
7833	81 38 6,1	18,24	0,181	+0,01	−9.6901	−9.1215	1.2609	9.6192	2962	116	iii.2810			
7834	134 51 43,2	18,24	0,220	+0,23	−8.1553	+9.8072	1.2610	9.6189	....	....	.....	9149	....	R 566
7835	103 40 49,7	18,25	0,194	.....	−9.5100	+9.3329	1.2612	9.6177	2961	....	ii.2685	....	....	W 1226
7836	105 21 2,6	18,26	0,194	+0,01	−9.4900	+9.3820	1.2615	9.6167	2963	117	ii.2686			
7837	25 37 57,4	18,26	0,116	+0,04	−9.7487	−9.9143	1.2615	9.6166	2969	128	iii.2813			
7838	86 19 42,7	18,26	0,183	+0,13	−9.6624	−8.7658	1.2616	9.6161	2965	121	ii.2687			
7839	116 50 18,1	18,27	0,202	+0,12	−9.3032	+9.6141	1.2617	9.6154	....	118	iii.2812	9160	7175	B.F 3073
7840	101 26 35,3	18,28	0,191	−0,08	−9.5361	+9.2572	1.2619	9.6148	2966	122	ii.2688	....	....	M926, J563
7841	152 45 4,1	18,28	0,248	+0,12	+9.2232	+9.9086	1.2619	9.6144	....	....	.....	9153	7174	R 567
7842	123 6 48,0	18,28	0,206	+0,02	−9.1433	+9.6973	1.2621	9.6137	2964	123	ii.2689	9162	7176	J 564
7843	58 11 27,1	18,29	0,163	−0,11	−9.7671	−9.6819	1.2623	9.6128	2968	129	iii.2814			
7844	134 1 52,4	18,30	0,215	−0,03	−8.4362	+9.8021	1.2623	9.6124	....	....	v.3330	9161	7177	
7845	43 3 33,9	18,30	0,148	−0,01	−9.7749	−9.8239	1.2624	9.6122	2970	132	iii.2815			
7846	36 31 14,1	18,30	0,139	.....	−9.7685	−9.8654	1.2625	9.6114	....	....	.....	....	....	G 3789
7847	32 21 44,7	18,31	0,132	−0,01	−9.7613	−9.8871	1.2626	9.6110	2972	134	iii.2817	....	....	Airy (C)
7848	32 21 5,3	18,31	0,132	+0,01	−9.7613	−9.8871	1.2626	9.6110	2973	135	ii.2691			
7849	101 40 18,4	18,31	0,189	−0,01	−9.5347	+9.2665	1.2627	9.6105	2967	130	ii.2690	....	....	M 927
7850	47 38 39,1	18,32	−0,153	−0,01	−9.7743	−9.7892	1.2630	9.6092	2971	136	iii.2819			
7851	4 39 3,7	18,34	+0,211	−0,01	−9.6419	−9.9598	1.2634	9.6069	2993	165	iii.2821	....	....	B.H 484
7852	161 42 26,0	18,35	−0,277	.....	+9.3932	+9.9388	1.2636	9.6062	....	....	.....	9158		
7853	145 4 7,4	18,35	−0,226	−0,05	+8.9154	+9.8752	1.2636	9.6058	....	....	v.3332	9164	7179	
7854	4 32 7,6	18,36	+0,218	−0,02	−9.6391	−9.9603	1.2638	9.6048	2997	167	iii.2823	....	....	G 3824
7855	40 29 16,0	18,36	−0,143	+0,01	−9.7692	−9.8428	1.2639	9.6045	2975	141	ii.2692			
7856	70 32 29,4	18,37	0,169	−0,02	−9.7347	−9.4845	1.2641	9.6035	2974	140	ii.2693			
7857	11 58 41,8	18,38	0,032	+0,02	−9.6831	−9.9524	1.2642	9.6028	2980	150	iii.2822			
7858	50 59 24,9	18,39	0,154	.....	−9.7699	−9.7612	1.2645	9.6015	....	....	.....	....	....	G 3804
7859	10 3 56,7	18,39	0,004	.....	−9.6703	−9.9557	1.2647	9.6004	....	....	.....	....	....	G 3814
7860	148 39 25,2	18,40	0,229	+0,20	+9.0584	+9.8940	1.2647	9.6001	....	....	v.3333	9170	7180	
7861	100 22 50,0	18,40	0,184	+0,03	−9.5505	+9.2183	1.2648	9.5998	....	142	ii.2694	....	....	W 1231
7862	142 22 35,4	18,40	0,218	−0,08	+8.6998	+9.8614	1.2648	9.5996	....	....	v.3334	9173	7181	
7863	92 20 38,7	18,40	0,179	−0,02	−9.6205	+8.5744	1.2649	9.5993	2977	144	ii.2695			
7864	111 28 26,5	18,41	0,190	+0,10	−9.4125	+9.5264	1.2650	9.5986	2976	143	ii.2696	....	....	J 565
7865	90 10 35,7	18,42	0,177	+0,26	−9.6363	+7.4522	1.2654	9.5966	....	145	ii.2697	....	....	W 1233
7866	114 45 50,4	18,44	0,190	.....	−9.3604	+9.5856	1.2657	9.5948	....	....	.....	....	....	B.F 3091
7867	139 4 46,0	18,45	0,211	+0,02	+8.0899	+9.8420	1.2659	9.5939	....	....	v.3335	9178	7182	
7868	90 53 20,9	18,45	0,176	+0,05	−9.6312	+8.1546	1.2660	9.5934	2979	151	ii.2698	....	....	M928, J566
7869	131 21 13,7	18,45	0,202	+0,08	−8.8248	+9.7838	1.2660	9.5931	....	147	iii.2824	9181	7183	
7870	108 13 56,9	18,45	0,185	+0,01	−9.4618	+9.4592	1.2660	9.5931	2978	149	ii.2699			
7871	34 9 1,2	18,46	0,131	+0,01	−9.7539	−9.8817	1.2661	9.5925	....	156	iii.2826	....	....	G 3816
7872	122 26 14,6	18,47	0,194	+0,05	−9.1959	+9.6936	1.2664	9.5913	....	153	iii.2825	9184	7185	
7873	131 21 47,3	18,47	0,201	+0,08	−8.8338	+9.7843	1.2665	9.5907	....	152	iii.2827	9183	7184	
7874	11 56 44,5	18,48	0,035	+0,03	−9.6722	−9.9549	1.2667	9.5896	2988	168	iii.2831			
7875	28 59 47,6	−18,48	−0,121	.....	−9.7406	−9.9063	−1.2667	−9.5896	....	....	.....	....	....	G 3823

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7876	Cephei	6	22 28 42,15	+1,710	+0,0035	+0,025	+9.2369	−8.8611	+0.2329	+9.2075
7877	Gruis	6½	29 1,66	3,634	−0,0456	−0,025	8.9590	8.5814	0.5604	−8.8265
7878	Cephei	5½	29 3,07	1,681	+0,0024	+0,030	9.2465	8.8688	0.2256	+9.2184
7879*	Lacertæ	6½	29 11,02	2,655	+0,0116	−0,001	8.8975	8.5191	0.4240	+8.6950
7880	8 Lacertæ	6	29 12,01	2,655	+0,0116	−0,002	8.8975	8.5190	0.4240	+8.6951
7881	Cephei	5½	29 38,10	1,091	−0,0354	+0,030	9.3893	9.0085	0.0379	+9.3752
7882	Lacertæ	6	29 39,85	2,474	+0,0150	.....	8.9749	8.5939	0.3934	+8.8546
7883	Gruis	6	29 50,63	3,762	−0,0586	+0,015	9.0147	8.6328	0.5755	−8.9197
7884	63 Aquarii x	6	29 59,29	3,115	−0,0070	−0,001	8.7912	8.4085	0.4935	−7.7315
7885	Indi	7	30 8,58	4,365	−0,1335	.....	9.2249	8.8413	0.6400	−9.1935
7886	Octantis ..... β	5	30 21,23	6,775	−0,6890	−0,087	9.6552	9.2706	0.8309	−9.6512
7887*	Gruis	6½	30 59,52	3,682	−0,0512	+0,009	8.9856	8.5975	0.5661	−8.8722
7888	9 Lacertæ	5½	31 13,24	2,452	+0,0156	+0,004	8.9895	8.6001	0.3895	+8.8786
7889	Tucanæ.....	6	31 13,34	3,885	−0,0728	+0,007	9.0687	8.6794	0.5894	−8.9981
7890	64 Aquarii.....	6½	31 22,33	3,167	−0,0101	+0,001	8.7984	8.4082	0.5006	−8.0713
7891	Piscis Aust.	6½	31 22,76	3,351	−0,0227	−0,001	8.8492	8.4590	0.5252	−8.5361
7892	Aquarii.....	8½	31 34,12	3,190	−0,0116	.....	8.8027	8.4115	0.5038	−8.1673
7893	40 Pegasi	6	31 37,36	2,900	+0,0038	0,000	8.8145	8.4229	0.4624	+8.3215
7894	Lacertæ	6½	31 48,25	2,579	+0,0139	−0,005	8.9370	8.5445	0.4115	+8.7819
7895	Piscis Aust.	6	31 59,68	3,377	−0,0248	−0,003	8.8600	8.4664	0.5285	−8.5772
7896*	31 Cephei	5	32 3,41	1,447	−0,0097	+0,039	9.3219	8.9280	0.1605	+9.3022
7897	Aquarii.....	7	32 12,87	3,160	−0,0098	+0,005	8.7981	8.4033	0.4997	−8.0438
7898*	18 Piscis Aust. ..... ε	4	32 21,11	3,334	−0,0217	+0,004	8.8447	8.4492	0.5230	−8.5138
7899	Aquarii.....	7½	32 23,11	3,135	−0,0082	−0,005	8.7949	8.3992	0.4962	−7.8997
7900	41 Pegasi	6	32 31,27	2,900	+0,0040	+0,003	8.8156	8.4191	0.4624	+8.3260
7901	10 Lacertæ	6	32 31,88	2,678	+0,0118	−0,001	8.8966	8.5001	0.4278	+8.6885
7902	30 Cephei	5	33 20,69	2,110	+0,0157	+0,004	9.1322	8.7312	0.3243	+9.0813
7903	Gruis	6	33 38,09	3,617	−0,0462	−0,020	8.9666	8.5641	0.5583	−8.8376
7904	Gruis ..... β	3	33 41,22	3,610	−0,0456	+0,016	8.9641	8.5612	0.5576	−8.8328
7905	Gruis	6	33 53,35	3,562	−0,0412	+0,030	8.9433	8.5393	0.5517	−8.7930
7906	11 Lacertæ	5½	33 56,67	2,605	+0,0140	+0,010	8.9320	8.5277	0.4159	+8.7697
7907	Cephei	6	33 58,39	1,292	−0,0204	.....	9.3682	8.9637	0.1113	+9.3523
7908	42 Pegasi ..... ζ	3	33 58,91	2,984	+0,0002	+0,006	8.7993	8.3948	0.4748	+8.0411
7909*	19 Piscis Aust.	6	34 1,03	3,355	−0,0235	+0,003	8.8557	8.4510	0.5257	−8.5566
7910	Tucanæ.....	6	34 27,58	3,960	−0,0845	.....	9.1111	8.7039	0.5977	−9.0541
7911	Tucanæ.....	6	34 28,28	4,104	−0,1029	−0,072	9.1628	8.7556	0.6132	−9.1192
7912	Pegasi	6	34 32,61	2,952	+0,0018	−0,005	8.8056	8.3980	0.4701	+8.1811
7913	Lacertæ	6½	34 37,11	2,597	+0,0143	+0,001	8.9378	8.5297	0.4145	+8.7813
7914	43 Pegasi ..... o	5	34 43,16	2,806	+0,0081	+0,003	8.8493	8.4407	0.4482	+8.5284
7915*	12 Lacertæ	5½	34 45,73	2,671	+0,0125	+0,001	8.9054	8.4965	0.4267	+8.7084
7916	Gruis ..... ρ	5½	34 47,25	3,511	−0,0368	+0,005	8.9234	8.5144	0.5454	−8.7506
7917	Lacertæ	5½	34 53,73	2,652	+0,0130	.....	8.9139	8.5043	0.4236	+8.7288
7918	65 Aquarii.....	7	35 7,57	3,164	−0,0100	+0,002	8.8013	8.3904	0.5002	−8.0775
7919	Aquarii.....	7	35 11,56	3,148	−0,0091	−0,007	8.7990	8.3877	0.4980	−7.9979
7920	Aquarii.....	7	22 35 22,57	+3,138	−0,0085	+0,007	+8.7979	−8.3856	+0.4967	−7.9413

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
7876	20 51 40,3	−18,49	−0,097	−0,23	−9.7135	−9.9351	−1.2668	−9.5887	....	....	.....	....	....	{ G 3826 P 1032
7877	137 29 9,3	18,50	0,205	+0,18	−7.9191	+9.8324	1.2671	9.5873	....	....	.....	9186	....	R 569
7878	20 23 59,0	18,50	0,095	−0,11	−9.7106	−9.9367	1.2671	9.5872	....	....	.....	....	....	{ G 3827 P 1033
7879	51 8 53,4	18,50	0,149	+0,27	−9.7635	−9.7625	1.2672	9.5866	2981	163	iv.1963			
7880	51 8 27,9	18,50	0,149	+0,02	−9.7634	−9.7625	1.2672	9.5865	2982	164	iii.2833			
7881	14 32 44,1	18,52	0,061	−0,11	−9.6820	−9.9512	1.2676	9.5845	....	....	.....	....	....	{ G 3834 P 1035
7882	40 42 18,7	18,52	0,139	.....	−9.7590	−9.8451	1.2676	9.5844	....	....	.....	....	....	G 3829
7883	143 28 11,2	18,52	0,210	+0,19	+8.6964	+9.8705	1.2677	9.5836	....	....	v.3336	9189	7187	
7884	95 0 0,6	18,53	0,174	+0,09	−9.6009	+8.9059	1.2678	9.5829	2983	166	ii.2701	....	....	M 929
7885	158 27 50,5	18,53	0,243	.....	+9.2925	+9.9343	1.2680	9.5822	....	....	.....	....	....	R 571
7886	172 9 53,6	18,54	0,377	+0,01	+9.5031	+9.9618	1.2681	9.5812	....	....	ii.2700	9165	7186	J 567, R570
7887	140 22 25,2	18,56	0,203	−0,11	+8.1732	+9.8530	1.2686	9.5783	....	....	v.3337	9200	7188	
7888	39 13 40,5	18,57	0,135	+0,08	−9.7536	−9.8557	1.2688	9.5772	2987	173	iii.2835			
7889	148 12 7,2	18,57	0,214	+0,08	+8.9657	+9.8959	1.2688	9.5772	....	....	v.3338	9198	7189	
7890	100 48 22,4	18,57	0,174	−0,02	−9.5510	+9.2397	1.2689	9.5765	2984	170	ii.2702			
7891	119 5 59,0	18,57	0,184	−0,62	−9.2918	+9.6536	1.2689	9.5765	....	....	v.3339	9204	7190	
7892	103 23 10,7	18,58	0,175	.....	−9.5252	+9.3314	1.2691	9.5756	....	....	.....	....	....	A 522
7893	71 15 8,2	18,58	0,159	+0,07	−9.7258	−9.4739	1.2691	9.5753	2985	174	ii.2703			
7894	45 35 45,8	18,59	0,141	+0,07	−9.7579	−9.8119	1.2692	9.5745	....	177	iii.2837	....	....	G 3841
7895	121 25 50,1	18,59	0,185	+0,23	−9.2428	+9.6844	1.2694	9.5736	....	172	iii.2836	9205	7192	
7896	17 8 4,4	18,60	0,079	−0,06	−9.6863	−9.9475	1.2694	9.5733	2994	185	ii.2707			
7897	100 8 32,9	18,60	0,172	+0,11	−9.5580	+9.2131	1.2696	9.5726	....	176	ii.2704	....	....	M 930
7898	117 49 27,9	18,61	0,182	+0,02	−9.3214	+9.6365	1.2697	9.5719	2986	175	ii.2705	9206	7193	J 568
7899	97 18 47,2	18,61	0,171	+0,08	−9.5831	+9.0723	1.2697	9.5718	....	178	iii.2838	....	....	M 931
7900	71 5 52,5	18,61	0,158	−0,04	−9.7253	−9.4780	1.2698	9.5711	2989	180	ii.2706			
7901	51 43 44,6	18,61	0,146	−0,02	−9.7569	−9.7595	1.2698	9.5711	2990	181	iii.2840			
7902	27 11 39,3	18,64	0,114	+0,02	−9.7216	−9.9173	1.2704	9.5672	2996	190	ii.2709			
7903	137 58 46,2	18,65	0,194	+0,33	−8.2330	+9.8393	1.2706	9.5658	....	....	v.3341	9210	7195	
7904	137 40 1,8	18,65	0,194	+0,05	−8.3075	+9.8372	1.2707	9.5656	....	....	ii.2708	9211	7194	J569, R572
7905	135 2 3,0	18,66	0,191	+0,05	−8.6730	+9.8183	1.2708	9.5646	....	....	v.3342	9215	7196	
7906	46 30 19,9	18,66	0,139	−0,02	−9.7537	−9.8064	1.2709	9.5643	2995	192	iii.2843			
7907	15 24 30,9	18,66	0,069	.....	−9.6709	−9.9528	1.2709	9.5642	....	....	.....	....	....	G 3857
7908	79 57 0,7	18,66	0,160	−0,02	−9.6914	−9.2105	1.2709	9.5642	2992	189	ii.2710			
7909	120 8 37,5	18,66	0,179	+0,09	−9.2817	+9.6695	1.2709	9.5640	2991	187	iii.2842	....	7197	
7910	151 16 19,9	18,67	0,211	.....	+9.0461	+9.9120	1.2712	9.5619	....	....	.....	9213		
7911	154 44 28,4	18,68	0,218	+0,24	+9.1599	+9.9254	1.2713	9.5618	....	....	.....	9212	7198	
7912	76 15 53,8	18,68	0,157	+0,01	−9.7060	−9.3446	1.2713	9.5615	....	195	iii.2844	....	....	B.F 3103
7913	45 46 28,5	18,68	0,138	+0,04	−9.7520	−9.8127	1.2714	9.5611	....	197	iii.2846	....	....	G 3855
7914	61 28 25,0	18,68	0,149	+0,01	−9.7442	−9.6482	1.2714	9.5606	2999	196	ii.2711			
7915	50 33 27,0	18,68	0,142	+0,01	−9.7528	−9.7722	1.2715	9.5604	3002	199	iii.2847	....	....	G 3856
7916	132 11 40,0	18,68	0,186	+0,17	−8.8893	+9.7964	1.2715	9.5603	....	193	iii.2845	9218	7199	
7917	49 14 12,6	18,69	0,140	.....	−9.7525	−9.7842	1.2716	9.5597	....	....	.....	....	....	G 3858
7918	100 53 11,3	18,70	0,167	−0,05	−9.5536	+9.2457	1.2717	9.5586	2998	198	ii.2712	....	....	M 932
7919	99 5 43,6	18,70	0,166	+0,11	−9.5697	+9.1684	1.2718	9.5583	....	200	ii.2713	....	....	B.F 3106
7920	97 59 52,8	−18,70	−0,165	+0,01	−9.5792	+9.1132	−1.2719	−9.5574	....	201	iii.2848	....	....	M 934

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7921	67 Aquarii	6	22 35 24,07	+3,136	−0,0084	0,000	+8.7976	−8.3852	+0.4964	−7.9272
7922	66 Aquarii ..... g^1	6½	35 30,63	3,242	−0,0154	+0,001	8.8197	8.4066	0.5109	−8.3456
7923	44 Pegasi ..... η	3	35 58,67	2,800	+0,0086	+0,005	8.8541	8.4384	0.4472	+8.5456
7924	Octantis	6	36 0,05	6,066	−0,5184	−0,087	9.5955	9.1797	0.7829	−9.5900
7925	Gruis ..... η	5	36 23,50	3,734	−0,0599	−0,003	9.0282	8.6101	0.5722	−8.9377
7926	Gruis	6	36 48,08	3,586	−0,0448	−0,018	8.9636	8.5432	0.5546	−8.8301
7927	Indi	6½	36 49,57	4,394	−0,1491	+0,012	9.2661	8.8456	0.6428	−9.2398
7928	Octantis	6	37 1,49	5,268	−0,3193	+0,005	9.4712	9.0496	0.7217	−9.4613
7929	Gruis	6	37 5,58	3,630	−0,0493	−0,007	8.9847	8.5626	0.5599	−8.8674
7930	20 Piscis Aust.	6	37 18,20	3,301	−0,0200	+0,004	8.8414	8.4182	0.5187	−8.4836
7931	Lacertæ	6	37 19,11	2,693	+0,0126	.....	8.9026	8.4792	0.4302	+8.6984
7932	13 Lacertæ	6	37 24,61	2,660	+0,0136	+0,001	8.9175	8.4937	0.4249	+8.7348
7933	Tucanæ	6	37 24,98	4,147	−0,1129	−0,007	9.1918	8.7679	0.6178	−9.1537
7934*	Gruis	6½	37 26,11	3,642	−0,0507	+0,008	8.9912	8.5672	0.5613	−8.8784
7935	Aquarii	7½	37 27,87	3,157	−0,0097	−0,001	8.8024	8.3782	0.4993	−8.0602
7936	Gruis	6	37 49,64	3,587	−0,0453	−0,008	8.9676	8.5413	0.5547	−8.8368
7937	45 Pegasi	6	38 10,59	2,914	+0,0042	+0,001	8.8189	8.3906	0.4644	+8.3221
7938	Indi	6	38 35,08	4,435	−0,1595	+0,039	9.2873	8.8567	0.6469	−9.2635
7939	Tucanæ	6	38 36,21	3,963	−0,0892	.....	9.1312	8.7005	0.5980	−9.0791
7940*	Indi	6	38 40,33	4,474	−0,1661	.....	9.2987	8.8675	0.6507	−9.2761
7941	Cephei	6	38 58,32	0,272	−0,1435	.....	9.5835	9.1506	9.4351	+9.5776
7942	Tucanæ	6	38 59,46	4,041	−0,1001	−0,022	9.1624	8.7293	0.6065	−9.1179
7943	46 Pegasi ..... ξ	5	39 12,02	2,978	+0,0011	+0,015	8.8050	8.3708	0.4739	+8.1011
7944	Gruis	6	39 14,84	3,444	−0,0325	−0,015	8.9059	8.4714	0.5371	−8.7049
7945	47 Pegasi ..... λ	4½	39 18,66	2,877	+0,0061	+0,006	8.8317	8.3968	0.4589	+8.4196
7946	Gruis ..... ε	4	39 28,04	3,662	−0,0540	+0,004	9.0082	8.5724	0.5637	−8.9054
7947	68 Aquarii ..... g^2	6	39 29,37	3,242	−0,0158	−0,006	8.8247	8.3887	0.5108	−8.3668
7948	Lacertæ	5½	39 30,81	2,630	+0,0150	.....	8.9379	8.5018	0.4200	+8.7777
7949	69 Aquarii ..... τ^1	6	39 44,65	3,192	−0,0122	+0,002	8.8115	8.3740	0.5041	−8.2201
7950	Lacertæ	6½	39 48,25	2,605	+0,0157	+0,019	8.9505	8.5128	0.4159	+8.8032
7951	Aquarii	7½	40 6,15	3,111	−0,0067	−0,009	8.7986	8.3591	0.4928	−7.7395
7952	70 Aquarii	6	40 36,43	3,162	−0,0101	+0,006	8.8059	8.3634	0.4999	−8.0998
7953*	Cephei	6	41 25,83	2,360	+0,0198	.....	9.0700	8.6225	0.3729	+8.9969
7954	71 Aquarii ..... τ^2	5½	41 38,75	3,186	−0,0119	+0,001	8.8119	8.3631	0.5032	−8.2070
7955	Tucanæ	6	42 16,79	3,862	−0,0800	+0,071	9.1085	8.6559	0.5869	−9.0489
7956	Tucanæ	6	42 22,65	3,981	−0,0960	−0,016	9.1564	8.7033	0.6000	−9.1100
7957*	Gruis	6	42 29,27	3,442	−0,0333	+0,018	8.9140	8.4602	0.5368	−8.7216
7958	48 Pegasi ..... μ	4	42 46,05	2,876	+0,0068	+0,012	8.8374	8.3819	0.4587	+8.4435
7959	72 Aquarii	7	42 56,95	3,133	−0,0082	−0,009	8.8033	8.3467	0.4960	−7.9524
7960*	21 Piscis Aust.	6	43 4,05	3,328	−0,0233	+0,001	8.8629	8.4056	0.5222	−8.5662
7961	Cephei	5	43 34,66	2,443	+0,0199	.....	9.0419	8.5814	0.3879	+8.9558
7962	14 Lacertæ	6	43 36,44	2,688	+0,0145	+0,003	8.9226	8.4620	0.4295	+8.7409
7963	Cephei	6	43 53,93	2,004	+0,0171	.....	9.2217	8.7593	0.3019	+9.1882
7964	Pegasi	8½	43 56,04	2,969	+0,0022	.....	8.8111	8.3485	0.4726	+8.1687
7965	Indi ..... ρ	5½	22 44 7,14	+4,324	−0,1518	−0,049	+9.2842	−8.8204	+0.6359	−9.2595

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b''	c'	d''						
	° ′ ″	″	″	″										
7921	97 44 45,2	−18,70	−0,165	−0,05	−9.5814	+9.0993	−1.2719	−9.5573	3001	202	ii.2714	....	....	M 935
7922	109 36 50,6	18,71	0,170	+0,05	−9.4591	+9.4957	1.2720	9.5567	3000	203	ii.2715			
7923	60 33 42,5	18,72	0,146	+0,01	−9.7436	−9.6617	1.2724	9.5544	3003	205	ii.2716			
7924	170 54 39,0	18,72	0,317	−0,19	+9.4553	+9.9647	1.2724	9.5543	....	....	.....	9202	7201	
7925	144 17 18,3	18,74	0,194	+0,26	+8.5611	+9.8800	1.2727	9.5524	....	....	v.3343	9223	7203	J 570
7926	137 19 59,8	18,75	0,186	+0,05	−8.5185	+9.8372	1.2730	9.5504	....	....	v.3344	9229	7204	R 574
7927	160 15 45,8	18,75	0,228	−0,24	+9.2730	+9.9445	1.2730	9.5502	....	....	.....	9220	....	R 573
7928	167 50 17,8	18,76	0,272	−0,19	+9.4062	+9.9610	1.2731	9.5492	....	....	.....	9216	7202	
7929	139 45 50,3	18,76	0,187	−0,11	−8.0043	+9.8537	1.2732	9.5489	....	....	v.3345	9231	7205	
7930	116 1 24,2	18,76	0,170	−0,10	−9.3713	+9.6133	1.2733	9.5478	3004	207	ii.2718	9236	7206	
7931	51 19 9,2	18,76	0,139	.....	−9.7477	−9.7670	1.2733	9.5478	....	....	.....	....	....	G 3869
7932	48 58 0,8	18,77	0,137	−0,02	−9.7473	−9.7884	1.2734	9.5473	3005	211	iii.2851			
7933	156 21 8,5	18,77	0,213	+0,64	+9.1729	+9.9331	1.2734	9.5473	....	....	.....	9227	....	R 575
7934	140 27 37,3	18,77	0,187	+0,18	−7.6435	+9.8584	1.2734	9.5472	....	....	v.3346	9233	7207	
7935	100 25 52,1	18,77	0,162	−0,04	−9.5599	+9.2290	1.2734	9.5470	....	209	iii.2850	....	....	M 936
7936	137 43 36,7	18,78	0,184	+0,02	−8.5079	+9.8407	1.2737	9.5452	....	....	v.3347	9237	7208	R 576
7937	71 25 21,1	18,79	0,149	−0,10	−9.7183	−9.4749	1.2739	9.5434	3006	212	ii.2719			
7938	161 11 2,9	18,80	0,225	+1,55	+9.2769	+9.9482	1.2742	9.5414	....	....	.....	9230	7209	
7939	152 28 43,5	18,80	0,201	.....	+9.0330	+9.9199	1.2742	9.5413	....	....	.....	9238		
7940	161 41 2,6	18,81	0,227	.....	+9.2867	+9.9495	1.2743	9.5409	....	....	.....	9232		
7941	9 23 33,7	18,81	0,014	.....	−9.6153	−9.9664	1.2745	9.5394	....	....	.....	....	....	G 3887
7942	154 30 31,2	18,82	0,204	−0,02	+9.0993	+9.9278	1.2745	9.5393	....	....	.....	9240	7210	R 577
7943	78 35 38,4	18,82	0,150	+0,43	−9.6935	−9.2686	1.2747	9.5382	3008	215	ii.2720			
7944	129 0 29,4	18,82	0,173	+0,02	−9.0792	+9.7714	1.2747	9.5380	....	....	v.3348	9251	7211	
7945	67 13 19,4	18,83	0,145	−0,02	−9.7272	−9.5604	1.2747	9.5376	3010	217	ii.2722			
7946	142 6 14,5	18,83	0,184	0,00	+7.6990	+9.8698	1.2748	9.5368	....	....	ii.2721	9249	7212	J 571
7947	110 23 39,2	18,83	0,163	+0,20	−9.4577	+9.5148	1.2749	9.5367	3007	216	ii.2723			
7948	46 14 38,8	18,83	0,132	.....	−9.7414	−9.8125	1.2749	9.5366	....	....	.....	....	....	G 3882
7949	104 50 44,7	18,84	0,160	−0,01	−9.5206	+9.3814	1.2750	9.5354	3009	218	ii.2724	....	....	M 937
7950	44 34 23,9	18,84	0,130	+0,07	−9.7394	−9.8256	1.2751	9.5351	....	222	iv.1977	....	....	G 3884
7951	95 0 23,9	18,85	0,155	+0,30	−9.6048	+8.9139	1.2753	9.5335	3011	219	iii.2852	....	....	A 527
7952	101 20 45,7	18,86	0,157	−0,04	−9.5547	+9.2673	1.2756	9.5309	3012	223	ii.2725			
7953	32 18 25,0	18,89	0,116	−0,07	−9.7127	−9.9009	1.2762	9.5265	3014	....	.....	....	....	G 3892
7954	104 22 57,2	18,89	0,156	−0,01	−9.5278	+9.3693	1.2763	9.5254	3013	225	ii.2726	....	....	M 938
7955	150 40 37,5	18,91	0,187	+0,50	+8.8893	+9.9150	1.2768	9.5220	....	....	v.3349	9267	7213	
7956	153 58 59,9	18,92	0,193	+0,41	+9.0346	+9.9282	1.2768	9.5215	....	....	.....	9268	7214	
7957	129 56 59,2	18,92	0,167	0,00	−9.0777	+9.7823	1.2769	9.5209	....	227	iii.2855	9275	7215	
7958	66 11 19,7	18,93	0,139	+0,02	−9.7247	−9.5809	1.2771	9.5194	3016	231	ii.2727			
7959	98 6 12,9	18,93	0,151	+0,02	−9.5833	+9.1241	1.2772	9.5184	....	230	iii.2856	....	....	M 939
7960	120 19 48,0	18,94	0,160	−0,03	−9.3187	+9.6783	1.2773	9.5177	3015	229	iii.2854	9281	7216	
7961	34 53 31,3	18,95	0,117	.....	−9.7132	−9.8893	1.2776	9.5150	....	....	.....	....	....	G 3900
7962	48 50 22,9	18,95	0,128	0,00	−9.7340	−9.7938	1.2776	9.5148	3018	233	iii.2858			
7963	22 13 34,9	18,96	0,095	.....	−9.6684	−9.9421	1.2778	9.5132	....	....	.....	....	....	G 3904
7964	76 49 55,5	18,96	0,141	.....	−9.6962	−9.3332	1.2779	9.5130	....	....	.....	....	....	A 528
7965	160 52 17,3	−18,97	−0,205	−0,25	+9.2172	+9.9511	−1.2780	−9.5120	....	....	.....	9276	7217	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
7966	22 Piscis Aust. ....γ	5	22 44 10,71	+3,360	−0,0264	+0,001	+8.8794	−8.4153	+0.5263	−8.6233
7967	32 Cephei ..... ι	4	44 21,20	2,124	+0,0197	−0,010	9.1806	8.7154	0.3271	+9.1394
7968	Gruis.....	6	44 30,65	3,518	−0,0416	−0,011	8.9577	8.4915	0.5462	−8.8142
7969	Gruis.....τ^1	6	44 43,81	3,574	−0,0478	−0,012	8.9865	8.5190	0.5531	−8.8669
7970	73 Aquarii.....λ	4	44 47,16	3,134	−0,0083	−0,001	8.8048	8.3369	0.4961	−7.9681
7971	49 Pegasi ..... σ	5½	44 48,24	3,002	+0,0003	+0,041	8.8055	8.3375	0.4774	+8.0017
7972	15 Lacertæ	5½	45 16,89	2,678	+0,0153	+0,015	8.9329	8.4619	0.4278	+8.7627
7973*	Cephei	5	45 31,53	2,304	+0,0215	.....	9.1136	8.6411	0.3624	+9.0550
7974	74 Aquarii.....	6	45 34,67	3,165	−0,0105	+0,004	8.8109	8.3380	0.5003	−8.1432
7975	Pegasi	6	45 39,46	2,948	+0,0035	−0,001	8.8179	8.3446	0.4695	+8.2595
7976	75 Aquarii.....	7	46 12,52	3,168	−0,0108	+0,008	8.8123	8.3355	0.5008	−8.1638
7977*	Piscium	7½	46 12,77	3,063	−0,0034	.....	8.8011	8.3242	0.4861	+7.0632
7978	Lacertæ	6	46 20,46	2,724	+0,0141	.....	8.9129	8.4352	0.4352	+8.7152
7979	Gruis.....τ^2	6	46 30,33	3,560	−0,0472	−0,059	8.9866	8.5079	0.5515	−8.8661
7980	76 Aquarii..... δ	3	46 41,11	3,196	−0,0130	−0,001	8.8198	8.3400	0.5046	−8.2762
7981	78 Aquarii.....	6	46 45,46	3,130	−0,0081	0,000	8.8056	8.3253	0.4955	−7.9491
7982	77 Aquarii.....	6	46 48,95	3,200	−0,0133	−0,017	8.8209	8.3403	0.5051	−8.2885
7983	Lacertæ	6	46 58,11	2,667	+0,0162	.....	8.9442	8.4626	0.4260	+8.7856
7984	Lacertæ	6	47 14,24	2,726	+0,0143	.....	8.9147	8.4314	0.4355	+8.7189
7985	1 Piscium	6	47 19,07	3,069	−0,0038	+0,007	8.8017	8.3179	0.4870	+6.4682
7986	Aquarii.....	7	47 24,17	3,113	−0,0068	+0,006	8.8040	8.3196	0.4932	−7.8075
7987	23 Piscis Aust. .... δ	5½	47 37,74	3,344	−0,0258	+0,004	8.8800	8.3941	0.5242	−8.6200
7988	50 Pegasi ..... ρ	5½	47 40,80	3,012	0,0000	+0,008	8.8062	8.3200	0.4789	+7.9507
7989	Tucanæ.....	6	47 51,02	+3,738	−0,0695	.....	9.0802	8.5929	+0.5727	−9.0096
7990	Cephei	5½	47 55,55	−0,012	−0,2170	+0,006	9.6783	9.1905	−8.0682	+9.6744
7991*	Gruis.....	6	48 5,56	+3,541	−0,0462	.....	8.9831	8.4943	+0.5492	−8.8593
7992	24 Piscis Aust. ....α	1	49 20,77	3,309	−0,0231	+0,026	8.8672	8.3702	0.5197	−8.5716
7993	Aquarii.....	7½	49 31,06	3,110	−0,0066	−0,003	8.8051	8.3070	0.4928	−7.7953
7994	16 Lacertæ	6	49 33,16	2,721	+0,0153	−0,001	8.9240	8.4257	0.4348	+8.7392
7995*	Lacertæ	6½	49 52,01	2,608	+0,0191	.....	8.9857	8.4853	0.4164	+8.8631
7996*	Piscium	6	49 54,05	3,049	−0,0022	.....	8.8039	8.3033	0.4842	+7.5240
7997	51 Pegasi	6	50 6,04	2,925	+0,0057	+0,019	8.8303	8.3284	0.4661	+8.3636
7998	Piscis Aust.	6½	50 13,19	3,365	−0,0286	+0,002	8.8973	8.3945	0.5270	−8.6698
7999*	Lacertæ	6	50 27,12	2,629	+0,0188	.....	8.9771	8.4728	0.4197	+8.8474
8000	Gruis.....	6½	50 36,59	3,483	−0,0412	−0,004	8.9618	8.4565	0.5420	−8.8187
8001	Pegasi	7	50 59,06	3,011	+0,0004	.....	8.8088	8.3010	0.4787	+7.9816
8002	Aquarii.....	6	51 23,67	3,301	−0,0228	+0,019	8.8678	8.3572	0.5186	−8.5702
8003	52 Pegasi	6	51 41,64	2,995	+0,0016	+0,004	8.8123	8.2997	0.4764	+8.0901
8004	Aquarii.....	7	51 42,15	3,168	−0,0112	+0,018	8.8172	8.3045	0.5007	−8.1970
8005	2 Piscium	6½	51 46,27	3,070	−0,0035	+0,008	8.8044	8.2913	0.4871	+6.2556
8006*	Tucanæ.....	6½	51 48,30	3,729	−0,0721	−0,023	9.0956	8.5822	0.5716	−9.0297
8007	Aquarii.....	6	51 58,48	3,261	−0,0193	+0,013	8.8507	8.3362	0.5134	−8.4920
8008	Gruis..... ζ	5	52 0,19	3,600	−0,0556	+0,010	9.0307	8.5160	0.5563	−8.9362
8009	Gruis.....	6	52 17,08	3,565	−0,0515	−0,009	9.0130	8.4964	0.5520	−8.9080
8010	Aquarii.....	7	22 52 29,72	+3,137	−0,0087	−0,004	+8.8110	−8.2930	+0.4965	−8.0369

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
7966	123 40 7,9	−18,97	−0,159	−0,05	−9.2579	+9.7196	−1.2780	−9.5117	3017	234	ii.2728	9287	7218	J 572
7967	24 35 15,1	18,97	0,100	+0,12	−9.6770	−9.9346	1.2781	9.5107	3022	238	ii.2729			
7968	135 56 24,1	18,98	0,166	−0,34	−8.8414	+9.8325	1.2782	9.5098	....	....	.....	9288	....	R 578
7969	139 23 29,0	18,98	0,168	+0,41	−8.5752	+9.8565	1.2784	9.5086	....	....	v.3350	9289	7219	
7970	98 22 34,2	18,99	0,147	−0,06	−9.5824	+9.1396	1.2784	9.5083	3019	235	ii.2730	....	....	M940, J573
7971	80 57 39,8	18,99	0,141	−0,06	−9.6805	−9.1724	1.2784	9.5082	3020	236	ii.2731			
7972	47 29 2,0	19,00	0,125	−0,01	−9.7294	−9.8063	1.2787	9.5055	3023	240	iii.2860			
7973	29 5 59,3	19,01	0,107	−0,07	−9.6902	−9.9181	1.2789	9.5042	3028	....	ii.2734	....	....	G 3910, P 1050
7974	102 24 43,7	19,01	0,147	−0,03	−9.5505	+9.3090	1.2789	9.5039	3021	239	ii.2732			
7975	73 57 11,2	19,01	0,137	+0,01	−9.7035	−9.4183	1.2790	9.5034	....	241	ii.2733			
7976	102 59 2,8	19,02	0,146	−0,03	−9.5463	+9.3287	1.2793	9.5003	3024	243	iii.2862			
7977	88 57 7,9	19,02	0,141	.....	−9.6432	−8.2392	1.2793	9.5003	....	....	.....	....	....	B.F 3133
7978	50 37 43,3	19,03	0,126	.....	−9.7291	−9.7795	1.2794	9.4995	....	....	.....	....	....	G 3914
7979	139 15 54,1	19,03	0,164	−0,09	−8.6474	+9.8568	1.2795	9.4986	....	....	v.3351	9295	7220	
7980	106 37 1,0	19,04	0,147	−0,02	−9.5131	+9.4337	1.2796	9.4976	3025	245	ii.2735	....	....	M941, J574
7981	97 59 58,0	19,04	0,143	−0,02	−9.5866	+9.1210	1.2797	9.4972	3027	246	ii.2736			
7982	107 3 57,7	19,04	0,147	+0,07	−9.5089	+9.4450	1.2797	9.4968	3026	247	ii.2737			
7983	46 2 51,0	19,05	0,122	.....	−9.7241	−9.8190	1.2798	9.4960	....	....	.....	....	....	G 3918
7984	50 25 21,4	19,05	0,124	.....	−9.7271	−9.7820	1.2800	9.4944	....	....	.....	....	....	G 3919
7985	89 44 3,5	19,06	0,140	+0,03	−9.6389	−7.6443	1.2800	9.4939	3030	249	ii.2738			
7986	95 47 8,1	19,06	0,141	+0,02	−9.6025	+8.9813	1.2801	9.4935	....	250	ii.2739	....	....	W 1252
7987	123 20 21,2	19,06	0,151	−0,10	−9.2829	+9.7180	1.2802	9.4921	3029	251	iii.2863	9304	7224	
7988	81 58 58,3	19,07	0,136	−0,05	−9.6749	−9.1225	1.2802	9.4918	3031	252	ii.2740			
7989	148 11 46,7	19,07	−0,169	.....	+8.5378	+9.9075	1.2803	9.4909	....	....	.....	....	....	R 579
7990	7 38 32,0	19,07	+0,001	−0,07	−9.5615	−9.9743	1.2804	9.4904	3038	258	iii.2864	....	....	B.H 488
7991	138 45 35,1	19,08	−0,159	.....	−8.7324	+9.8545	1.2805	9.4894	....	....	.....	9305		
7992	120 24 55,8	19,11	0,146	+0,15	−9.3436	+9.6834	1.2813	9.4820	3032	253	ii.2741	9314	7225	M942, J575
7993	95 36 38,6	19,11	0,137	+0,01	−9.6046	+8.9693	1.2814	9.4810	3033	254	iii.2865			
7994	49 11 45,5	19,12	0,120	0,00	−9.7212	−9.7944	1.2814	9.4808	3034	255	iii.2866			
7995	41 3 58,1	19,12	0,115	.....	−9.7094	−9.8567	1.2816	9.4789	....	....	.....	....	....	B.F 3146
7996	86 59 28,5	19,12	0,134	.....	−9.6524	−8.6994	1.2816	9.4787	....	....	.....	....	....	B.F 3143
7997	70 2 4,3	19,13	0,128	−0,07	−9.7079	−9.5128	1.2817	9.4775	3035	257	ii.2742			
7998	126 19 9,2	19,13	0,147	+0,10	−9.2358	+9.7521	1.2818	9.4768	....	256	v.3354	9316	7226	
7999	42 6 58,2	19,14	0,115	.....	−9.7099	−9.8500	1.2819	9.4754	....	....	.....	....	....	B.F 3147
8000	135 59 21,9	19,14	0,152	−0,31	−8.9400	+9.8366	1.2820	9.4745	....	....	.....	9317	....	R 580
8001	81 26 20,7	19,15	0,130	.....	−9.6751	−9.1528	1.2822	9.4722	....	....	.....	....	....	A 533
8002	120 16 0,2	19,16	0,142	+0,14	−9.3545	+9.6827	1.2825	9.4697	....	262	iii.2869	9321	7227	
8003	79 4 17,1	19,17	0,128	+0,01	−9.6829	−9.2582	1.2826	9.4678	3037	265	ii.2743			
8004	103 52 21,3	19,17	0,136	−0,02	−9.5452	+9.3602	1.2826	9.4678	....	264	iii.2870			
8005	89 50 17,2	19,17	0,131	+0,12	−9.6383	−7.4317	1.2827	9.4674	3036	266	ii.2744			
8006	149 14 21,1	19,17	0,159	−0,18	+8.4757	+9.9146	1.2827	9.4671	....	....	v.3356	9320	7228	
8007	115 57 49,8	19,18	0,139	+0,08	−9.4186	+9.6219	1.2828	9.4661	....	267	iii.2871	9329		
8008	143 33 22,8	19,18	0,154	−0,09	−8.3541	+9.8861	1.2828	9.4659	....	....	ii.2745	9322	7229	J 576
8009	141 45 11,6	19,19	0,151	−0,11	−8.6010	+9.8758	1.2830	9.4642	....	....	v.3358	9328	7231	
8010	99 41 2,5	−19,19	−0,133	+0,14	−9.5786	+9.2068	−1.2831	−9.4629	....	272	iii.2873	....	....	M 943

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
8011	Tucanæ.....	6	22 52 43,51	+3,904	−0,0986	+0,027	+9.1807	−8.6611	+0.5915	−9.1384
8012	3 Piscium	6	52 56,37	3,075	−0,0039	+0,005	8.8051	8.2840	0.4878	−6.8384
8013	Cephei	6	53 0,92	2,429	+0,0242	.....	9.0934	8.5718	0.3855	+9.0265
8014	Piscium	7	53 4,49	3,056	−0,0025	+0,010	8.8054	8.2835	0.4851	+7.3920
8015	Cephei	6	53 6,91	1,863	+0,0156	.....	9.3230	8.8007	0.2702	+9.3020
8016	81 Aquarii.....	6	53 35,85	3,123	−0,0076	+0,002	8.8095	8.2839	0.4946	−7.9457
8017	Aquarii.....	7½	53 45,73	3,107	−0,0064	+0,003	8.8075	8.2808	0.4924	−7.7905
8018	Gruis	7	53 52,53	3,466	−0,0410	−0,006	8.9646	8.4371	0.5398	−8.8224
8019*	Piscium	7	54 5,21	3,053	−0,0021	.....	8.8062	8.2772	0.4847	+7.4839
8020	82 Aquarii.....	6	54 45,15	3,119	−0,0074	+0,001	8.8097	8.2760	0.4941	−7.9183
8021	Indi	6	54 54,75	4,080	−0,1315	+0,051	9.2645	8.7297	0.6106	−9.2365
8022	Tucanæ.....	6	54 59,70	3,636	−0,0628	−0,021	9.0643	8.5290	0.5606	−8.9854
8023	1 Andromedæ .... o	4	55 1,82	2,740	+0,0164	+0,005	8.9319	8.3963	0.4377	+8.7534
8024*	Cephei	6½	55 10,94	2,511	+0,0239	.....	9.0621	8.5254	0.3999	+8.9822
8025*	Piscis Aust.	5½	55 11,17	+3,337	−0,0276	+0,006	8.8959	8.3592	+0.5234	−8.6605
8026	Cephei	5½	55 25,07	−0,215	−0,2923	+0,069	9.7555	9.2171	−9.3316	+9.7527
8027	Gruis	6½	55 32,22	+3,408	−0,0353	−0,001	8.9374	8.3982	+0.5325	−8.7653
8028	2 Andromedæ	5½	55 42,63	2,738	+0,0167	+0,005	8.9352	8.3948	0.4374	+8.7603
8029*	Gruis	6	55 45,45	3,594	−0,0579	.....	9.0455	8.5047	0.5556	−8.9575
8030	Octantis	6	55 49,78	5,229	−0,4068	−0,053	9.5795	9.0382	0.7184	−9.5732
8031	4 Piscium .....β	5	56 14,77	3,051	−0,0019	+0,006	8.8075	8.2632	0.4845	+7.5283
8032	53 Pegasi .....β	2	56 30,38	2,882	+0,0096	+0,016	8.8582	8.3121	0.4597	+8.5193
8033	Cephei	7	57 12,07	2,453	+0,0259	.....	9.1037	8.5526	0.3897	+9.0397
8034	54 Pegasi .....α	2	57 17,50	2,978	+0,0036	+0,007	8.8213	8.2695	0.4739	+8.2170
8035	83 Aquarii..... h^1	6	57 20,49	3,125	−0,0079	+0,013	8.8123	8.2601	0.4948	−7.9821
8036	3 Andromedæ	5½	57 28,13	2,653	+0,0209	+0,023	8.9927	8.4396	0.4237	+8.8720
8037	Andromedæ	6½	57 28,31	2,763	+0,0163	+0,007	8.9263	8.3731	0.4414	+8.7385
8038	84 Aquarii..... h^2	7	57 30,43	3,125	−0,0078	+0,008	8.8124	8.2590	0.4948	−7.9853
8039*	Cephei	5	57 50,89	2,251	+0,0274	.....	9.2053	8.6494	0.3523	+9.1674
8040*	Tucanæ.....	6	58 1,83	4,349	−0,1921	.....	9.3780	8.8208	0.6384	−9.3617
8041	85 Aquarii..... h^3	7	58 4,21	3,126	−0,0079	+0,004	8.8129	8.2554	0.4949	−7.9949
8042	Tucanæ.....	6	58 23,27	3,795	−0,0898	.....	9.1645	8.6046	0.5792	−9.1177
8043	Gruis ..... θ	5	58 24,79	3,417	−0,0378	−0,003	8.9535	8.3935	0.5337	−8.7979
8044	Gruis	6	58 29,32	3,499	−0,0479	+0,001	9.0038	8.4432	0.5440	−8.8907
8045	Gruis	6	58 31,31	3,365	−0,0318	−0,017	8.9220	8.3611	0.5270	−8.7273
8046	Gruis	6	58 33,18	3,516	−0,0500	−0,024	9.0139	8.4528	0.5460	−8.9074
8047	86 Aquarii..... c^1	5½	58 36,96	3,232	−0,0178	+0,007	8.8493	8.2877	0.5095	−8.4679
8048	Cephei	7	58 39,91	1,071	−0,0526	+0,031	9.5673	9.0054	0.0298	+9.5607
8049	Octantis	6	59 8,90	5,484	−0,5131	−0,191	9.6505	9.0850	0.7391	−9.6460
8050*	87 Aquarii..... h^4	7½	59 24,11	3,123	−0,0078	+0,010	8.8134	8.2459	0.4945	−7.9831
8051	55 Pegasi	5	59 27,03	3,018	+0,0009	+0,003	8.8135	8.2457	0.4797	+7.9883
8052	56 Pegasi	4½	22 59 48,85	2,911	+0,0087	+0,005	8.8503	8.2798	0.4641	+8.4707
8053	Aquarii.....	6	23 0 13,81	3,267	−0,0218	+0,007	8.8699	8.2962	0.5141	−8.5640
8054	1 Cassiopeæ.....	6	0 17,55	2,506	+0,0267	+0,009	9.0923	8.5181	0.3990	+9.0235
8055*	Indi	6	23 0 18,89	+3,955	−0,1201	.....	+9.2494	−8.6751	+0.5972	−9.2188

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
8011	155 6 23,0	−19,20	−0,165	+0,66	+8.9020	+9.9387	−1.2832	−9.4614	....	....	.....	9325	7232	
8012	90 37 6,8	19,20	0,129	−0,02	−9.6343	+8.0144	1.2834	9.4601	3039	274	ii.2746			
8013	30 59 17,6	19,20	0,102	.....	−9.6725	−9.9143	1.2834	9.4596	....	....	.....	....	....	G 3945
8014	87 47 16,4	19,21	0,128	+0,07	−9.6481	−8.5678	1.2834	9.4592	....	275	ii.2747	....	....	W 1257
8015	17 40 3,7	19,21	0,078	.....	−9.6083	−9.9603	1.2835	9.4590	....	....	.....	....	....	G 3946
8016	97 51 50,8	19,22	0,130	−0,06	−9.5920	+9.1177	1.2837	9.4559	3040	278	ii.2748	....	....	M 944
8017	95 31 2,9	19,22	0,129	+0,08	−9.6070	+8.9646	1.2838	9.4549	....	279	iii.2874			
8018	136 6 20,5	19,23	0,144	−0,35	−8.9818	+9.8394	1.2839	9.4541	....	....	.....	9339	....	R 581
8019	87 16 16,3	19,23	0,126	−0,01	−9.6503	−8.6595	1.2840	9.4528	3041	....	ii.2749	....	....	W 1259
8020	97 22 38,1	19,25	0,128	−0,01	−9.5958	+9.0907	1.2844	9.4485	3042	281	ii.2750			
8021	159 37 49,1	19,25	0,167	−0,09	+9.0477	+9.9542	1.2845	9.4475	....	....	.....	9337	7234	R 582
8022	146 30 3,5	19,25	0,148	−0,39	−7.7853	+9.9034	1.2845	9.4469	....	....	v.3359	9345	7235	
8023	48 28 42,2	19,25	0,112	−0,03	−9.7078	−9.8038	1.2845	9.4467	3043	284	ii.2751			
8024	33 41 58,0	19,26	0,102	−0,02	−9.6749	−9.9025	1.2846	9.4457	3044	....	.....	....	....	B 55
8025	125 33 33,0	19,26	−0,136	−0,04	−9.2804	+9.7470	1.2846	9.4457	....	282	v.3360	9350	7237	
8026	6 27 23,7	19,26	+0,009	−0,05	−9.5120	−9.9798	1.2847	9.4442	3058	295	iii.2878	....	....	B.H 487
8027	132 17 17,9	19,27	−0,138	−0,04	−9.1278	+9.8105	1.2848	9.4434	....	....	v.3361	9354	7238	
8028	48 2 51,2	19,27	0,111	−0,02	−9.7057	−9.8078	1.2849	9.4423	3045	286	iii.2877			
8029	144 45 37,7	19,27	0,145	.....	−8.3874	+9.8948	1.2849	9.4419	....	....	.....	9353		
8030	170 17 13,0	19,27	0,211	−0,24	+9.2993	+9.9765	1.2850	9.4415	....	....	.....	9332	7236	
8031	86 59 11,4	19,28	0,122	0,00	−9.6511	−8.7037	1.2852	9.4387	3046	287	ii.2752	....	....	M 945
8032	62 43 46,5	19,29	0,115	−0,17	−9.7084	−9.6442	1.2853	9.4370	3047	288	ii.2753	....	....	M 946
8033	30 21 41,7	19,31	0,097	.....	−9.6559	−9.9194	1.2857	9.4323	....	....	.....	....	....	G 3971
8034	75 36 2,7	19,31	0,117	−0,01	−9.6880	−9.3792	1.2858	9.4317	3050	290	ii.2755	....	7239	M 949
8035	98 30 5,6	19,31	0,123	−0,06	−9.5903	+9.1534	1.2858	9.4314	3048	289	ii.2754	....	....	M 947
8036	40 45 49,5	19,31	0,104	−0,12	−9.6879	−9.8630	1.2859	9.4305	3052	293	iii.2881			
8037	49 32 1,4	19,31	0,109	+0,06	−9.7033	−9.7959	1.2859	9.4305	....	292	iii.2880			
8038	98 33 42,6	19,31	0,123	−0,07	−9.5900	+9.1565	1.2859	9.4303	3049	291	iii.2879	....	....	M 948
8039	23 35 55,2	19,32	0,088	−0,03	−9.6224	−9.9459	1.2861	9.4279	3054	....	ii.2757	....	....	G 3975
8040	164 23 35,2	19,33	0,169	−0,43	+9.1477	+9.9676	1.2862	9.4267	....	....	.....	9358	7240	
8041	98 44 40,6	19,33	0,122	−0,04	−9.5892	+9.1659	1.2862	9.4264	3051	294	ii.2756	....	....	M 950
8042	153 53 23,2	19,33	0,147	.....	+8.6767	+9.9374	1.2863	9.4242	....	....	.....	....	7242	
8043	134 19 43,8	19,34	0,132	+0,06	−9.0966	+9.8285	1.2864	9.4241	....	296	ii.2758	9366	7244	J 577
8044	140 24 55,8	19,34	0,135	−0,12	−8.8579	+9.8711	1.2864	9.4235	....	....	v.3362	9365	7245	
8045	129 42 12,9	19,34	0,130	+0,16	−9.2164	+9.7896	1.2864	9.4233	....	298	iii.2883	9369		
8046	141 29 39,8	19,34	0,136	−0,05	−8.7987	+9.8777	1.2864	9.4231	....	....	v.3363	9367	7246	
8047	114 33 9,9	19,34	0,125	+0,01	−9.4544	+9.6028	1.2865	9.4227	3053	299	ii.2759	9371		
8048	10 1 38,3	19,34	0,041	+0,06	−9.5263	−9.9776	1.2865	9.4223	3067	....	.....	....	....	G 3980
8049	171 43 44,7	19,35	0,210	+0,51	+9.2951	+9.9800	1.2867	9.4190	....	....	.....	9355	7243	
8050	98 30 3,0	19,36	0,119	−0,04	−9.5917	+9.1544	1.2869	9.4172	3055	302	iii.2884	....	....	M 951
8051	81 23 58,4	19,36	0,115	−0,01	−9.6704	−9.1594	1.2869	9.4169	3056	303	ii.2760			
8052	65 20 25,0	19,37	0,110	0,00	−9.7013	−9.6052	1.2871	9.4143	3057	304	ii.2761			
8053	119 38 1,0	19,38	0,123	+0,10	−9.3974	+9.6792	1.2873	9.4114	....	305	iii.2885	9376		
8054	31 23 25,6	19,38	0,094	+0,01	−9.6492	−9.9164	1.2873	9.4109	3061	308	iii.2887			
8055	158 43 48,3	−19,38	−0,149	.....	+8.9170	+9.9545	−1.2873	−9.4108	....	....	.....	9374		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
8056*	Andromedæ	6½	23 0 26,26	+2,724	+0,0193	−0,004	+8.9616	−8.3863	+0.4352	+8.8130
8057*	Indi	6	0 33,43	3,906	−0,1117	.....	9.2294	8.6533	0.5917	−9.1956
8058	4 Andromedæ	5½	0 48,69	2,722	+0,0195	+0,005	8.9642	8.3861	0.4349	+8.8180
8059	5 Andromedæ	6	0 57,42	2,686	+0,0212	+0,018	8.9879	8.4087	0.4291	+8.8622
8060	5 Piscium ..... A	5½	0 59,97	3,063	−0,0025	+0,011	8.8095	8.2299	0.4861	+7.1696
8061	Tucanæ	6	1 21,53	3,691	−0,0775	+0,064	9.1292	8.5469	0.5671	−9.0726
8062	88 Aquarii ..... c^2	4½	1 26,57	3,207	−0,0159	+0,005	8.8424	8.2594	0.5061	−8.4157
8063*	Gruis	6	1 36,97	3,392	−0,0366	−0,023	8.9504	8.3660	0.5305	−8.7895
8064	Piscis Aust.	6	1 38,52	3,257	−0,0210	+0,018	8.8674	8.2829	0.5128	−8.5517
8065*	Piscium	7½	1 42,67	3,063	−0,0025	−0,001	8.8098	8.2247	0.4861	+7.1763
8066	Gruis	6	1 47,67	3,367	−0,0335	+0,002	8.9346	8.3489	0.5272	−8.7551
8067	Gruis ..... ι	5	1 50,78	3,419	−0,0400	0,000	8.9685	8.3823	0.5339	−8.8258
8068	Cephei	6	1 52,93	2,400	+0,0293	.....	9.1589	8.5725	0.3803	+9.1104
8069	89 Aquarii ..... c^3	5	1 53,85	3,215	−0,0167	+0,004	8.8466	8.2601	0.5072	−8.4433
8070	57 Pegasi	5½	1 57,31	3,024	+0,0007	+0,002	8.8139	8.2269	0.4806	+7.9501
8071	58 Pegasi	6	2 28,56	3,018	+0,0013	+0,003	8.8155	8.2244	0.4797	+8.0103
8072*	Octantis ..... τ	6	2 42,81	14,249	−8,0991	.....	0.3393	9.7463	1.1538	−0.3391
8073	Aquarii	7	2 53,14	3,110	−0,0067	−0,024	8.8133	8.2190	0.4927	−7.8850
8074	33 Cephei ..... π	5	3 8,25	1,881	+0,0204	+0,001	9.3856	8.7893	0.2743	+9.3697
8075	2 Cassiopeæ	7	3 20,56	2,536	+0,0278	+0,011	9.0927	8.4947	0.4042	+9.0235
8076	6 Andromedæ	6½	3 31,89	2,769	+0,0184	−0,018	8.9446	8.3452	0.4424	+8.7763
8077	Cephei	6	4 0,86	2,330	+0,0313	.....	9.2089	8.6055	0.3673	+9.1710
8078	59 Pegasi	5½	4 9,97	3,026	+0,0009	+0,003	8.8150	8.2105	0.4808	+7.9535
8079	60 Pegasi	6	4 32,71	2,914	+0,0097	−0,013	8.8576	8.2499	0.4645	+8.5000
8080	Gruis	6	4 43,52	3,457	−0,0469	+0,140	9.0071	8.3980	0.5387	−8.8942
8081	Tucanæ	6	4 48,10	3,710	−0,0854	+0,035	9.1617	8.5519	0.5694	−9.1135
8082	7 Andromedæ	5	5 41,29	2,715	+0,0223	+0,009	8.9911	8.3740	0.4337	+8.8661
8083*	Cassiopeæ	6	6 3,63	2,602	+0,0274	+0,201	9.0681	8.4479	0.4154	+8.9884
8084	Piscium	7	6 23,99	3,089	−0,0047	+0,013	8.8127	8.1897	0.4899	−7.5920
8085	90 Aquarii ..... φ	5	6 33,25	3,108	−0,0065	+0,006	8.8151	8.1908	0.4925	−7.8921
8086*	Tucanæ	7	6 34,45	3,617	−0,0726	.....	9.1199	8.4955	0.5583	−9.0597
8087	Tucanæ	6	6 36,19	3,555	−0,0629	−0,010	9.0819	8.4572	0.5509	−9.0079
8088	Gruis	6	6 38,81	3,348	−0,0337	+0,020	8.9404	8.3153	0.5247	−8.7652
8089	Tucanæ	7	7 23,32	3,847	−0,1145	.....	9.2502	8.6188	0.5851	−9.2191
8090	Octantis	6	7 37,25	4,841	−0,3689	−0,029	9.5855	8.9522	0.6850	−9.5793
8091*	Pegasi	7	7 38,67	2,915	+0,0106	−0,001	8.8636	8.2300	0.4646	+8.5245
8092*	Gruis	6	7 42,64	3,525	−0,0594	+0,025	9.0689	8.4347	0.5471	−8.9892
8093	Tucanæ	5	7 47,32	3,658	−0,0811	−0,235	9.1525	8.5177	0.5633	−9.1016
8094*	Aquarii	6	7 50,77	3,093	−0,0051	.....	8.8138	8.1785	0.4904	−7.6899
8095	91 Aquarii ..... ψ^1	5½	8 1,79	3,123	−0,0081	+0,028	8.8192	8.1823	0.4946	−8.0547
8096	Gruis	6	8 18,06	3,373	−0,0380	+0,029	8.9656	8.3263	0.5280	−8.8174
8097	61 Pegasi	6	8 27,15	2,916	+0,0107	+0,003	8.8646	8.2241	0.4648	+8.5280
8098	Tucanæ ..... γ	4	8 38,54	3,566	−0,0671	−0,012	9.1018	8.4596	0.5522	−9.0351
8099	Pegasi	6½	8 44,82	2,917	+0,0107	+0,006	8.8647	8.2215	0.4649	+8.5278
8100	Tucanæ	6	23 8 59,57	+3,812	−0,1112	−0,029	+9.2449	−8.5996	+0.5811	−9.2129

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
8056	44 44 31,3	−19,38	−0,102	.....	−9.6884	−9.8366	−1.2874	−9.4099	3060	....	.....	....	....	G 3985
8057	157 40 14,4	19,38	0,146	−0,32	+8.8591	+9.9514	1.2875	9.4090	....	....	.....	9375	7247	R 584
8058	44 25 21,2	19,39	0,101	+0,03	−9.6867	−9.8392	1.2876	9.4072	3063	311	iii.2888			
8059	41 31 14,8	19,39	0,100	−0,13	−9.6799	−9.8598	1.2877	9.4062	3064	312	iii.2889			
8060	88 41 13,3	19,39	0,114	−0,15	−9.6432	−8.3456	1.2877	9.4059	3059	310	ii.2763	....	....	M 952
8061	151 22 49,8	19,40	0,136	+0,73	+8.1553	+9.9290	1.2879	9.4033	....	....	.....	9377	7248	R 585
8062	111 59 6,2	19,40	0,118	−0,08	−9.4883	+9.5590	1.2879	9.4027	3062	313	ii.2764	....	....	J 579
8063	133 40 23,0	19,41	0,125	+0,24	−9.1458	+9.8249	1.2880	9.4014	....	314	v.3364	9381	7249	
8064	118 54 2,5	19,41	0,120	0,00	−9.4120	+9.6700	1.2880	9.4012	....	....	v.3365	9383	7250	
8065	88 40 2,9	19,41	0,112	−0,02	−9.6432	−8.3523	1.2880	9.4007	3066	316	iii.2891	....	....	M 953
8066	131 24 7,8	19,41	0,123	+0,06	−9.2022	+9.8063	1.2881	9.4001	....	315	v.3366	9384	7251	
8067	136 3 23,8	19,41	0,125	−0,29	−9.0810	+9.8432	1.2881	9.3997	....	....	ii.2765	9382	7252	J580, R586
8068	26 35 19,8	19,41	0,088	.....	−9.6217	−9.9373	1.2881	9.3995	....	....	.....	....	....	G 3994
8069	113 16 7,2	19,41	0,118	−0,05	−9.4765	+9.5825	1.2881	9.3994	3065	317	ii.2766	9386	....	J 581
8070	82 8 6,3	19,42	0,111	−0,01	−9.6667	−9.1221	1.2881	9.3989	3068	318	ii.2767			
8071	80 59 21,3	19,43	0,109	−0,04	−9.6698	−9.1810	1.2884	9.3951	3069	320	iii.2895			
8072	178 18 19,3	19,43	0,514	+0,34	+9.3701	+9.9861	1.2885	9.3933	....	....	.....	9225	7241	J578, R583
8073	96 46 22,2	19,44	0,112	+0,02	−9.6040	+9.0580	1.2886	9.3921	....	2	iii.2896	....	....	B.F 3182
8074	15 25 24,0	19,44	0,067	+0,05	−9.5467	−9.9706	1.2887	9.3902	3074	8	ii.2768			
8075	31 28 48,4	19,45	0,091	0,00	−9.6388	−9.9175	1.2888	9.3886	3071	6	iii.2898			
8076	47 15 36,2	19,45	0,099	+0,14	−9.6850	−9.8183	1.2889	9.3872	3070	7	iii.2899			
8077	23 34 19,4	19,46	0,082	.....	−9.5968	−9.9491	1.2891	9.3836	....	....	.....	....	....	G 4005
8078	82 5 37,0	19,46	0,106	−0,01	−9.6656	−9.1255	1.2892	9.3824	3072	9	ii.2769			
8079	63 57 40,3	19,47	0,102	+0,08	−9.6947	−9.6296	1.2894	9.3795	3073	11	ii.2770			
8080	140 26 37,0	19,47	0,120	+2,50	−8.9647	+9.8743	1.2895	9.3781	....	....	v.3370	9397	7257	
8081	153 30 6,3	19,48	0,129	+0,89	+8.2989	+9.9391	1.2895	9.3775	....	....	.....	9396	7258	
8082	41 24 46,6	19,50	0,093	−0,08	−9.6658	−9.8627	1.2899	9.3706	3075	14	ii.2771			
8083	33 39 32,7	19,50	0,089	−0,28	−9.6381	−9.9082	1.2901	9.3677	3077	....	.....	....	....	B56, A540
8084	93 26 56,9	19,51	0,104	+0,03	−9.6225	+8.7673	1.2902	9.3650	....	17	iii.2900			
8085	96 51 22,7	19,51	0,105	+0,16	−9.6056	+9.0650	1.2903	9.3638	3076	19	ii.2772	....	....	M955, J582
8086	150 31 11,5	19,51	0,122	.....	−8.0969	+9.9279	1.2903	9.3636	....	....	.....	9405	....	R 587
8087	147 30 21,4	19,51	0,120	−0,08	−8.5843	+9.9142	1.2903	9.3634	....	....	v.3372	9406	7261	
8088	131 55 2,4	19,51	0,113	+0,17	−9.2274	+9.8129	1.2903	9.3631	....	18	v.3373	9407	7262	
8089	158 35 46,9	19,53	0,128	.....	+8.7284	+9.9574	1.2907	9.3571	....	....	.....	....	....	R 588
8090	170 17 29,8	19,53	0,160	−0,11	+9.1764	+9.9823	1.2908	9.3552	....	....	.....	9399	7263	
8091	62 44 33,5	19,53	0,096	.....	−9.6898	−9.6494	1.2908	9.3550	3079	....	.....	....	....	L 123
8092	146 20 46,6	19,54	0,116	+0,26	−8.7177	+9.9089	1.2908	9.3545	....	....	v.3374	9410	7264	
8093	152 47 51,9	19,54	0,121	−2,85	+7.3979	+9.9377	1.2909	9.3538	....	....	.....	9412	7266	R 589
8094	94 18 42,3	19,54	0,102	.....	−9.6188	+8.8648	1.2909	9.3533	....	....	.....	....	....	B.F 3183
8095	99 54 14,9	19,54	0,102	0,00	−9.5897	+9.2243	1.2910	9.3518	3078	22	ii.2773	....	....	M 956
8096	135 18 8,2	19,55	0,110	−0,41	−9.1650	+9.8406	1.2911	9.3496	....	....	.....	9419	....	R 590
8097	62 34 5,6	19,55	0,095	−0,05	−9.6883	−9.6523	1.2911	9.3484	3080	26	ii.2775			
8098	149 3 28,2	19,55	0,116	0,00	−8.5119	+9.9223	1.2912	9.3468	....	....	v.3376	9420	7267	J583, R591
8099	62 35 26,4	19,56	0,094	+0,08	−9.6878	−9.6521	1.2913	9.3459	....	28	iii.2904			
8100	158 17 10,6	−19,56	−0,123	−0,70	+8.6493	+9.9572	−1.2914	−9.3439	....	....	.....	9418	7268	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
8101	Tucanæ.....	6	23 9 2,93	+3,621	−0,0765	.....	+9.1387	−8.4929	+0.5588	−9.0838
8102	92 Aquarii.....χ	5½	9 4,33	3,115	−0,0073	0,000	8.8180	8.1720	0.4935	−7.9898
8103	Tucanæ.....	6	9 11,25	3,598	−0,0731	.....	9.1259	8.4789	0.5561	−9.0672
8104*	Cephei	6	9 16,76	2,085	+0,0322	.....	9.3576	8.7098	0.3192	+9.3392
8105	6 Piscium .....γ	4½	9 23,39	3,058	−0,0016	+0,052	8.8136	8.1648	0.4854	+7.4471
8106*	Cephei	6	9 51,40	2,270	+0,0357	.....	9.2808	8.6279	0.3561	+9.2540
8107*	Cassiopeæ.....	6	9 52,62	2,694	+0,0258	+0,002	9.0281	8.3749	0.4304	+8.9270
8108	Gruis .....φ	6	9 52,79	3,329	−0,0330	+0,025	8.9399	8.2867	0.5223	−8.7624
8109	93 Aquarii.....ψ^2	5	10 6,54	3,122	−0,0080	+0,006	8.8202	8.1650	0.4944	−8.0599
8110	Andromedæ	6	10 13,81	2,789	+0,0206	.....	8.9592	8.3029	0.4455	+8.8037
8111	Octantis	6	10 16,64	4,265	−0,2179	−0,160	9.4440	8.7873	0.6299	−9.4318
8112*	Gruis	6	10 21,39	3,393	−0,0423	−0,023	8.9903	8.3328	0.5305	−8.8631
8113	Sculptoris.....γ	5	10 43,01	3,258	−0,0243	+0,002	8.8919	8.2312	0.5130	−8.6321
8114	8 Andromedæ	5	10 48,16	2,752	+0,0231	+0,004	8.9900	8.3285	0.4397	+8.8624
8115	Andromedæ	6	10 54,27	2,790	+0,0209	.....	8.9619	8.2995	0.4455	+8.8089
8116	95 Aquarii ..... ψ^3	5	11 9,41	3,123	−0,0083	+0,005	8.8212	8.1565	0.4945	−8.0790
8117	94 Aquarii.....	6	11 13,03	3,143	−0,0105	+0,021	8.8276	8.1623	0.4973	−8.2196
8118	9 Andromedæ	6	11 17,16	2,826	+0,0186	+0,003	8.9360	8.2700	0.4511	+8.7525
8119	96 Aquarii.....	6	11 37,31	3,100	−0,0058	+0,016	8.8165	8.1475	0.4913	−7.8316
8120	Andromedæ.....	6	11 58,64	2,799	+0,0208	.....	8.9597	8.2874	0.4470	+8.8040
8121	Gruis	6	12 22,91	3,413	−0,0470	−0,014	9.0168	8.3407	0.5331	−8.9080
8122	Cephei	6	12 27,80	2,177	+0,0370	.....	9.3454	8.6685	0.3379	+9.3256
8123*	Piscium	7	12 28,15	3,093	−0,0050	.....	8.8160	8.1391	0.4904	−7.7324
8124*	34 Cephei ..... o	5½	12 28,97	2,413	+0,0373	+0,016	9.2279	8.5508	0.3825	+9.1928
8125	11 Andromedæ	6	12 31,35	2,767	+0,0232	+0,003	8.9874	8.3099	0.4421	+8.8571
8126*	Andromedæ	6	12 39,82	2,771	+0,0231	+0,019	8.9854	8.3066	0.4426	+8.8534
8127	7 Piscium..... b	6	12 42,09	3,049	−0,0003	+0,006	8.8160	8.1369	0.4841	+7.7166
8128	10 Andromedæ	6	12 44,73	2,831	+0,0190	+0,009	8.9385	8.2590	0.4519	+8.7577
8129	Aquarii.....	7	12 56,91	3,103	−0,0061	.....	8.8177	8.1362	0.4917	−7.8863
8130	Phœnicis	7	13 9,15	3,349	−0,0380	.....	8.9708	8.2874	0.5249	−8.8257
8131	62 Pegasi .....τ	5	13 13,16	2,956	+0,0089	+0,005	8.8505	8.1665	0.4707	+8.4410
8132	Aquarii.....	6	13 15,53	3,213	−0,0194	−0,002	8.8681	8.1837	0.5070	−8.5369
8133	63 Pegasi	6½	13 29,37	2,918	+0,0124	+0,007	8.8756	8.1890	0.4650	+8.5693
8134*	Aquarii.....	6½	13 37,58	3,096	−0,0054	.....	8.8170	8.1290	0.4909	−7.7979
8135*	Andromedæ	6	13 38,33	2,818	+0,0205	.....	8.9529	8.2649	0.4499	+8.7891
8136	12 Andromedæ	6	13 39,77	2,866	+0,0168	+0,015	8.9147	8.2264	0.4572	+8.6978
8137*	Cephei	7	13 42,70	2,584	+0,0337	.....	9.1315	8.4427	0.4123	+9.0739
8138*	Cephei	7	14 2,88	2,582	+0,0340	.....	9.1350	8.4430	0.4120	+9.0784
8139*	Andromedæ	7½	14 5,38	2,865	+0,0170	.....	8.9172	8.2248	0.4571	+8.7042
8140	Tucanæ.....	6	14 11,26	3,547	−0,0714	+0,065	9.1280	8.4347	0.5499	−9.0694
8141	64 Pegasi	6	14 36,01	2,913	+0,0133	+0,002	8.8822	8.1848	0.4643	+8.5940
8142	97 Aquarii.....	6	14 47,21	3,145	−0,0112	+0,009	8.8323	8.1330	0.4976	−8.2689
8143	Gruis	6	14 49,21	3,464	−0,0578	+0,002	9.0721	8.3726	0.5396	−8.9926
8144	98 Aquarii..... b^1	5	15 5,29	3,170	−0,0144	−0,007	8.8451	8.1429	0.5011	−8.3978
8145	Gruis	6	23 15 6,10	+3,309	−0,0334	−0,006	+8.9474	−8.2450	+0.5196	−8.7764

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
8101	151 48 13,4	−19,56	−0,116	.....	−8.0294	+9.9343	−1.2914	−9.3434	....	....	.....	9423		
8102	98 32 34,7	19,56	0,100	−0,04	9.5981	+9.1611	1.2914	9.3432	3081	30	ii.2776	....	....	M 957
8103	150 52 41,8	19,56	0,115	.....	8.2810	+9.9306	1.2915	9.3422	....	....	.....	....	....	R 592
8104	16 35 10,6	19,57	0,067	−0,01	9.5241	−9.9708	1.2915	9.3415	3085	....	.....	....	....	G 4022
8105	87 32 7,9	19,57	0,098	−0,04	9.6464	−8.6228	1.2915	9.3405	3082	31	ii.2777	....	7269	M 958
8106	19 55 47,6	19,58	0,072	+0,01	9.5465	−9.9627	1.2917	9.3366	3086	....	.....	....	....	G 4024
8107	37 35 41,3	19,58	0,085	+0,28	9.6401	−9.8884	1.2918	9.3364	3084	....	.....	....	....	G 4023
8108	131 38 15,4	19,58	0,105	+0,13	9.2558	+9.8120	1.2918	9.3364	....	32	v.3378	9432	7271	
8109	100 0 4,2	19,58	0,098	+0,02	9.5910	+9.2294	1.2919	9.3344	3083	33	ii.2778	....	....	M959, J584
8110	45 39 3,2	19,58	0,088	.....	−9.6636	−9.8342	1.2919	9.3334	....	....	.....	....	....	G 4025
8111	166 27 18,4	19,59	0,134	+0,08	+9.0322	+9.9775	1.2919	9.3330	....		.....	9427	7272	
8112	138 15 20,6	19,59	0,106	+0,20	−9.1089	+9.8625	1.2920	9.3323	....	....	v.3379	9433	7273	
8113	123 20 54,7	19,59	0,101	+0,07	9.3895	+9.7300	1.2921	9.3292	....	36	v.3380	9435	7274	P1073, J585
8114	41 48 13,3	19,60	0,086	−0,01	9.6514	−9.8623	1.2921	9.3284	3089	39	ii.2780			
8115	45 19 45,3	19,60	0,087	.....	9.6610	−9.8369	1.2922	9.3275	....	....	.....	....	....	G 4027
8116	100 25 48,2	19,60	0,096	−0,02	9.5894	+9.2478	1.2923	9.3253	3087	40	ii.2781	....	....	M960, J586
8117	104 16 28,2	19,60	0,097	+0,10	9.5664	+9.3820	1.2923	9.3248	3088	42	ii.2782			
8118	49 2 40,4	19,60	0,087	−0,02	9.6684	−9.8067	1.2923	9.3242	3091	45	iii.2910			
8119	95 56 33,7	19,61	0,095	−0,03	9.6127	+9.0053	1.2925	9.3212	3090	46	ii.2783			
8120	45 40 56,3	19,62	0,085	.....	9.6588	−9.8347	1.2926	9.3181	....	....	.....	....	....	G 4029
8121	141 7 23,9	19,62	0,103	+0,06	9.0484	+9.8818	1.2928	9.3145	....	....	v.3382	9446	7276	R 593
8122	17 7 47,7	19,63	0,065	.....	9.5114	−9.9709	1.2928	9.3137	....	....	.....	....	....	G 4040
8123	94 43 55,5	19,63	0,093	.....	9.6186	+8.9070	1.2928	9.3137	....	....	.....	....	....	B.F 3194
8124	22 42 30,7	19,63	0,072	−0,04	9.5532	−9.9556	1.2928	9.3136	3097	53	iii.2913			
8125	42 11 50,6	19,63	0,083	−0,03	9.6473	−9.8603	1.2928	9.3132	3093	50	iii.2912			
8126	42 26 26,3	19,63	0,083	−0,04	9.6475	−9.8587	1.2929	9.3119	3094	51	iii.2914	....	....	G 4036
8127	85 26 12,8	19,63	0,091	+0,04	9.6522	−8.8914	1.2929	9.3116	3092	49	ii.2784	....	....	M 961
8128	48 44 31,1	19,63	0,085	−0,05	9.6639	−9.8099	1.2929	9.3112	3095	52	iii.2915			
8129	96 43 32,7	19,63	0,092	.....	9.6097	+9.0594	1.2930	9.3093	....	....	ii.2785	....	....	Z 1596
8130	135 43 20,3	19,64	0,099	.....	9.1978	+9.8458	1.2931	9.3075	....	....	.....	....	....	R 595
8131	67 4 46,6	19,64	0,087	−0,01	9.6800	−9.5813	1.2931	9.3069	3096	56	ii.2787			
8132	117 48 22,8	19,64	0,095	+0,04	9.4615	+9.6597	1.2931	9.3065	....	55	ii.2786	9448	....	W 1268
8133	60 24 11,0	19,64	0,086	+0,05	9.6784	−9.6846	1.2932	9.3044	3098	58	iii.2917			
8134	95 29 33,0	19,65	0,091	.....	9.6157	+8.9720	1.2933	9.3031	....	....	.....	....	....	B.F 3199
8135	46 42 11,0	19,65	0,083	.....	9.6567	−9.8272	1.2933	9.3030	....	....	.....	....	....	B.F 3202
8136	52 38 8,3	19,65	0,084	+0,05	9.6691	−9.7742	1.2933	9.3028	3099	59	iii.2918			
8137	28 51 5,2	19,65	0,076	+0,06	9.5856	−9.9335	1.2933	9.3023	3101	....	.....	....	....	B 58
8138	28 36 25,3	19,65	0,075	−0,04	9.5829	−9.9347	1.2934	9.2992	3104	....	.....	....	....	B 59
8139	52 14 17,0	19,65	0,083	−0,04	9.6675	−9.7783	1.2935	9.2988	3100	....	.....	....	....	L 476
8140	150 53 2,8	19,66	0,103	+0,81	8.5763	+9.9326	1.2935	9.2979	....	....	.....	9449	7277	R 596
8141	59 0 28,9	19,66	0,084	−0,02	9.6751	−9.7032	1.2936	9.2940	3103	62	iii.2919			
8142	105 51 43,5	19,67	0,090	−0,03	9.5609	+9.4282	1.2937	9.2923	3102	61	ii.2788	....		
8143	146 22 36,0	19,67	0,099	+0,40	8.8876	+9.9120	1.2937	9.2920	....	....	v.3383	9452	7278	
8144	110 55 5,3	19,67	0,090	+0,07	9.5262	+9.5443	1.2938	9.2894	3105	63	ii.2789	....	....	J 587
8145	132 25 29,4	−19,67	−0,094	+0,22	−9.2765	+9.8207	−1.2938	−9.2893	....	....	v.3384	9454	7279	

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
8146	65 Pegasi	6	23 15 12,71	+2,976	+0,0075	+0,003	+8.8426	−8.1392	+0.4737	+8.3768
8147*	Pegasi	6½	15 17,25	2,978	+0,0074	+0,025	8.8419	8.1377	0.4739	+8.3705
8148*	Gruis	6	15 22,13	3,435	−0,0536	−0,026	9.0531	8.3481	0.5360	−8.9645
8149	66 Pegasi	6	15 30,88	3,018	+0,0033	+0,004	8.8245	8.1180	0.4798	+8.1239
8150	Phœnicis	6	15 31,21	3,319	−0,0352	+0,005	8.9584	8.2518	0.5210	−8.7997
8151	Gruis	6	15 47,48	3,407	−0,0494	−0,006	9.0334	8.3242	0.5324	−8.9341
8152	Piscium	6½	15 50,03	3,073	−0,0027	−0,007	8.8158	8.1062	0.4876	−6.7840
8153*	Cassiopeæ	6	15 52,02	2,640	+0,0330	.....	9.1079	8.3979	0.4215	+9.0424
8154	Aquarii	7	15 58,89	3,112	−0,0074	−0,007	8.8216	8.1104	0.4931	−8.0292
8155	Aquarii	6	16 9,85	3,176	−0,0154	+0,006	8.8506	8.1376	0.5019	−8.4351
8156*	Pegasi	7	16 25,88	2,915	+0,0139	+0,034	8.8862	8.1705	0.4646	+8.6068
8157*	Tucanæ.....	5½	16 43,97	3,467	−0,0607	−0,013	9.0880	8.3691	0.5400	−9.0148
8158*	Cassiopeæ.....	6	17 19,25	2,694	+0,0313	.....	9.0769	8.3520	0.4303	+8.9991
8159	67 Pegasi	6	17 31,49	2,919	+0,0139	+0,011	8.8859	8.1589	0.4653	+8.6048
8160	68 Pegasi ..... υ	5	17 53,97	2,969	+0,0091	+0,017	8.8512	8.1202	0.4726	+8.4355
8161	99 Aquarii ..... b^2	5	18 9,77	3,166	−0,0146	−0,003	8.8478	8.1141	0.5005	−8.4112
8162	4 Cassiopeæ	5	18 11,58	2,625	+0,0359	+0,002	9.1374	8.4033	0.4191	+9.0812
8163	Gruis	6	18 11,88	3,399	−0,0506	+0,019	9.0428	8.3087	0.5313	−8.9482
8164*	Tucanæ.....	7	18 17,63	3,478	−0,0649	−0,169	9.1086	8.3735	0.5413	−9.0431
8165	Tucanæ.....	6	18 24,05	3,556	−0,0800	−0,040	9.1682	8.4319	0.5510	−9.1202
8166	Tucanæ.....	6	18 39,06	3,475	−0,0648	−0,033	9.1088	8.3698	0.5409	−9.0433
8167	Aquarii	6	18 40,78	3,170	−0,0153	+0,007	8.8514	8.1121	0.5011	−8.4354
8168	Gruis	6	18 48,54	3,366	−0,0455	−0,029	9.0178	8.2771	0.5271	−8.9082
8169	8 Piscium..... κ	5½	19 14,69	3,069	−0,0021	+0,010	8.8170	8.0716	0.4870	+6.6974
8170	9 Piscium	6	19 33,74	3,069	−0,0020	+0,003	8.8171	8.0683	0.4871	+6.5337
8171	13 Andromedæ	6	19 54,17	2,860	+0,0207	+0,009	8.9468	8.1941	0.4564	+8.7730
8172	Sculptoris.....	6	19 57,16	3,242	−0,0263	+0,001	8.9113	8.1582	0.5108	−8.6844
8173*	Cephei	6	19 58,86	2,437	+0,0448	.....	9.2803	8.5268	0.3869	+9.2529
8174	69 Pegasi	6	20 13,59	2,966	+0,0102	+0,004	8.8578	8.1016	0.4722	+8.4729
8175	Aquarii	7	20 16,98	3,121	−0,0088	+0,010	8.8274	8.0706	0.4943	−8.1549
8176	Tucanæ.....	6	20 17,41	3,542	−0,0808	−0,014	9.1746	8.4176	0.5492	−9.1280
8177	10 Piscium ..... θ	5	20 21,69	3,048	+0,0006	−0,006	8.8194	8.0617	0.4840	+7.8054
8178	Phœnicis	6	20 49,36	3,301	−0,0364	−0,002	8.9705	8.2076	0.5186	−8.8225
8179	Gruis	6	20 53,35	3,399	−0,0538	+0,014	9.0626	8.2989	0.5313	−8.9777
8180*	Cephei	5	20 57,31	2,463	+0,0455	.....	9.2740	8.5096	0.3915	+9.2457
8181	Gruis	6	21 2,93	3,376	−0,0498	+0,016	9.0433	8.2778	0.5284	−8.9484
8182	70 Pegasi ..... q	5	21 34,24	3,023	+0,0039	+0,005	8.8273	8.0558	0.4805	+8.1428
8183	11 Piscium	6½	21 45,01	3,081	−0,0034	0,000	8.8183	8.0448	0.4887	−7.4776
8184	Piscium	7	21 46,66	3,091	−0,0049	+0,003	8.8197	8.0459	0.4902	−7.7893
8185	12 Piscium	7	21 48,79	3,078	−0,0031	0,000	8.8181	8.0439	0.4882	−7.3296
8186	Gruis	6	22 27,77	3,273	−0,0330	+0,018	8.9526	8.1708	0.5149	−8.7848
8187*	Cephei	7	23 7,21	2,303	+0,0508	.....	9.3887	8.5990	0.3624	+9.3724
8188*	Cassiopeæ.....	5	23 7,59	2,732	+0,0343	+0,015	9.0907	8.3010	0.4364	+9.0178
8189	Phœnicis	6	23 16,72	3,289	−0,0365	−0,023	8.9740	8.1824	0.5171	−8.8285
8190*	Octantis	6	23 23 32,18	+4,086	−0,2367	.....	+9.5082	−8.7135	+0.6113	−9.4989

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
8146	69 59 35,6	−19,67	−0,084	0,00	−9.6760	−9.5258	−1.2939	−9.2882	3106	65	ii.2790			
8147	70 15 42,9	19,67	0,084	.....	9.6758	−9.5202	1.2939	9.2875	3107	....	.....	....	....	L 33
8148	144 38 13,0	19,68	0,097	+0,39	8.9704	+9.9031	1.2939	9.2867	....	....	v.3385	9455	7280	
8149	78 30 22,0	19,68	0,085	−0,03	9.6662	−9.2912	1.2940	9.2853	3108	67	ii.2791			
8150	133 56 48,2	19,68	0,093	+0,02	9.2519	+9.8331	1.2940	9.2853	....	66	v.3386	9456	7282	R 597
8151	142 42 46,4	19,68	0,095	+0,14	9.0430	+9.8926	1.2941	9.2826	....	....	v.3387	9457	7283	
8152	90 31 56,6	19,68	0,086	+0,08	9.6356	+7.9601	1.2941	9.2822	....	68	ii.2792	....	....	B.F 3209
8153	30 41 18,3	19,68	0,074	−0,01	9.5867	−9.9264	1.2941	9.2819	3110	....	.....	....	....	G 4050
8154	99 16 57,2	19,69	0,087	+0,09	9.5993	+9.1996	1.2942	9.2808	....	69	iii.2921	....	....	M 963
8155	112 35 34,7	19,69	0,088	+0,03	9.5155	+9.5766	1.2942	9.2790	....	70	ii.2793	....	....	W 1273
8156	58 17 34,6	19,69	0,080	+0,03	9.6707	9.7127	1.2943	9.2764	3109	71	iii.2922	....	....	A 547
8157	147 40 17,9	19,70	0,095	−0,01	8.8663	+9.9191	1.2944	9.2734	....	....	v.3389	9463	7285	
8158	33 17 16,8	19,71	0,073	+0,02	9.5944	−9.9146	1.2947	9.2675	3112	....	.....	....	....	G 4054
8159	58 26 15,5	19,71	0,079	−0,05	9.6687	−9.7114	1.2947	9.2655	3111	75	iii.2924			
8160	67 25 13,2	19,72	0,079	−0,07	9.6728	−9.5769	1.2949	9.2617	3114	77	ii.2794			
8161	111 27 46,2	19,72	0,084	+0,02	9.5283	+9.5561	1.2949	9.2590	3113	78	ii.2795	....	....	J 588
8162	28 32 23,4	19,72	0,069	−0,02	9.5643	−9.9365	1.2950	9.2587	3115	81	ii.2796			
8163	143 33 2,2	19,72	0,090	−0,09	9.0488	+9.8982	1.2950	9.2586	....	....	v.3390	9470	7287	R 598
8164	149 17 54,7	19,72	0,092	.....	8.8195	+9.9272	1.2950	9.2576	....	....	.....	9472	....	R 599
8165	153 33 51,5	19,73	0,094	+0,43	8.4997	+9.9448	1.2950	9.2565	....	....	.....	9471	7288	
8166	149 18 11,8	19,73	0,091	−0,22	8.8274	+9.9273	1.2951	9.2539	....	....	v.3391	9474	7289	R 600
8167	112 33 49,9	19,73	0,083	−0,09	9.5210	+9.5769	1.2951	9.2536	....	82	ii.2797	9478	....	W 1274
8168	140 58 44,7	19,73	0,088	−0,58	9.1281	+9.8833	1.2952	9.2523	....	....	v.3393	9476	7291	
8169	89 33 53,9	19,74	0,079	+0,10	9.6388	−7.8735	1.2953	9.2477	3116	83	ii.2798	....	....	M 965
8170	89 42 5,8	19,74	0,079	+0,05	9.6384	−7.7098	1.2954	9.2444	3117	84	ii.2799	....	....	M 966
8171	47 54 46,4	19,75	0,073	−0,05	9.6423	−9.8196	1.2955	9.2407	3118	89	iii.2929			
8172	126 22 7,5	19,75	0,082	−0,11	9.3915	+9.7664	1.2956	9.2402	....	87	iii.2928	9485		
8173	20 8 30,2	19,75	0,062	+0,04	9.4949	−9.9659	1.2956	9.2399	3121	....	.....	....	....	G 4068
8174	65 39 22,9	19,75	0,075	+0,04	9.6689	−9.6086	1.2957	9.2372	3119	91	ii.2800			
8175	102 16 25,3	19,76	0,079	+0,02	9.5881	+9.3210	1.2957	9.2366	....	90	iii.2930			
8176	153 56 14,8	19,76	0,089	+0,23	8.5539	+9.9469	1.2957	9.2365	....	....	.....	9483	7293	
8177	84 26 38,9	19,76	0,077	+0,03	9.6519	−8.9794	1.2957	9.2358	3120	92	ii.2801	....	....	M 967
8178	135 19 28,5	19,76	0,082	+0,37	9.2651	+9.8456	1.2958	9.2307	....	....	v.3395	9490	7294	R 601
8179	145 19 42,5	19,76	0,084	+0,07	9.0302	+9.9088	1.2959	9.2300	....	....	v.3396	9488	7295	
8180	20 27 54,8	19,77	0,061	0,00	9.4921	−9.9654	1.2959	9.2293	3125	....	ii.2802	....	....	G 4071
8181	143 30 9,7	19,77	0,083	+0,25	9.0867	+9.8989	1.2959	9.2282	....	....	.....	9491	....	R 602
8182	78 3 57,3	19,77	0,074	−0,06	9.6619	−9.3094	1.2961	9.2224	3122	94	ii.2803	....	....	
8183	92 36 56,9	19,78	0,075	−0,01	9.6293	+8.6533	1.2961	9.2204	3123	95	ii.2804	....	....	M 970
8184	95 21 0,4	19,78	0,075	+0,34	9.6197	+8.9635	1.2962	9.2201	....	96	ii.2805	....	....	M 968
8185	91 51 38,6	19,78	0,074	+0,01	9.6318	+8.5055	1.2962	9.2197	3124	97	ii.2806	....	....	M 969
8186	132 48 39,4	19,79	0,078	+0,05	9.3172	+9.8264	1.2964	9.2123	....	99	v.3397	9495	7296	
8187	15 35 58,2	19,80	0,054	−0,04	9.4330	−9.9781	1.2966	9.2047	3131	....	.....	....	....	G 4080
8188	32 16 39,5	19,80	0,064	−0,02	9.5648	−9.9215	1.2966	9.2047	....	101	ii.2807	....	....	B.H 435
8189	135 40 11,1	19,80	0,077	−0,18	−9.2769	+9.8489	1.2966	9.2029	....	....	v.3398	9502	7297	
8190	168 12 47,3	−19,80	−0,094	.....	+8.8228	+9.9852	−1.2967	−9.1998	....	....	.....	9494		

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
8191	Tucanæ.....	6	23 23 36,25	+3,434	−0,0647	.....	+9.1172	−8.3218	+0.5358	−9.0540
8192	Gruis	6	23 45,83	3,264	−0,0325	+0,005	8.9514	8.1540	0.5138	−8.7817
8193	Piscium	7	23 46,08	3,089	−0,0045	−0,001	8.8201	8.0226	0.4898	−7.7523
8194	100 Aquarii..... b^3	6	23 50,03	3,156	−0,0148	+0,006	8.8519	8.0537	0.4992	−8.4292
8195	14 Andromedæ.....	6	23 55,46	2,904	+0,0188	+0,026	8.9244	8.1251	0.4631	+8.7178
8196*	Aquarii.....	7½	23 56,86	3,156	−0,0146	−0,002	8.8516	8.0519	0.4991	−8.4266
8197	Aquarii.....	7½	24 3,79	3,118	−0,0089	−0,005	8.8294	8.0284	0.4939	−8.1741
8198	13 Piscium	7	24 15,85	3,078	−0,0030	+0,003	8.8189	8.0153	0.4882	−7.3426
8199	Aquarii.....	7	24 25,65	3,116	−0,0087	−0,005	8.8289	8.0233	0.4936	−8.1598
8200	Tucanæ.....	6½	24 37,23	3,816	−0,1608	+0,073	9.3939	8.5859	0.5816	−9.3779
8201	Sculptoris..... β	5	24 54,82	3,234	−0,0280	+0,004	8.9262	8.1145	0.5097	−8.7217
8202	101 Aquarii..... b^4	5	25 25,38	3,151	−0,0143	+0,001	8.8510	8.0329	0.4984	−8.4197
8203	71 Pegasi	5½	25 57,83	2,992	+0,0092	+0,007	8.8509	8.0259	0.4760	+8.4183
8204*	Cephei	7	26 9,27	2,494	+0,0521	.....	9.3104	8.4829	0.3968	+9.2865
8205	14 Piscium	6½	26 26,21	3,078	−0,0030	+0,007	8.8195	7.9883	0.4882	−7.3784
8206	72 Pegasi	5½	26 31,05	2,956	+0,0143	+0,003	8.8839	8.0517	0.4707	+8.5894
8207*	Tucanæ.....	6	26 36,01	3,497	−0,0848	−0,035	9.2019	8.3685	0.5437	−9.1610
8208	Tucanæ.....	6	26 42,92	3,376	−0,0578	−0,021	9.0909	8.2560	8.5284	−9.0177
8209*	Phœnicis	7	26 45,19	3,254	−0,0332	+0,002	8.9589	8.1235	0.5124	−8.7968
8210	Phœnicis ..... ι	5	26 59,21	3,252	−0,0331	−0,005	8.9584	8.1200	0.5122	−8.7958
8211	73 Pegasi	6	27 13,53	2,948	+0,0156	+0,001	8.8942	8.0526	0.4696	+8.6264
8212	15 Andromedæ.....	5½	27 18,03	2,914	+0,0200	+0,002	8.9315	8.0888	0.4646	+8.7342
8213	Ursæ Minoris	5½	27 46,45	0,025	−0,4747	+0,048	0.0315	9.1823	8.3892	+0.0306
8214	Aquarii.....	6½	27 47,62	3,098	−0,0061	−0,010	8.8242	7.9748	0.4911	−7.9833
8215	15 Piscium	6½	27 48,60	3,069	−0,0016	−0,001	8.8196	7.9700	0.4870	+6.7465
8216	Aquarii.....	6	28 16,45	3,168	−0,0183	−0,002	8.8726	8.0166	0.5007	−8.5400
8217*	Cephei	6	28 29,69	2,544	+0,0541	.....	9.3031	8.4440	0.4055	+9.2782
8218	16 Piscium	6	28 44,09	3,067	−0,0011	−0,003	8.8200	7.9576	0.4867	+7.1660
8219	Octantis	6	28 54,93	3,900	−0,2107	−0,029	9.4915	8.6265	0.5910	−9.4814
8220*	Phœnicis	6	29 45,87	3,255	−0,0365	+0,006	8.9809	8.1038	0.5125	−8.8402
8221	Aquarii.....	6	29 52,91	3,114	−0,0092	+0,010	8.8330	7.9542	0.4933	−8.2134
8222	74 Pegasi	7	30 4,23	3,021	+0,0065	+0,011	8.8374	7.9557	0.4801	+8.2776
8223	Andromedæ.....	6	30 12,78	2,906	+0,0235	.....	8.9604	8.0767	0.4632	+8.7990
8224	16 Andromedæ.... λ	4½	30 14,22	2,894	+0,0251	+0,018	8.9757	8.0917	0.4614	+8.8300
8225	Aquarii.....	7	30 14,89	3,120	−0,0104	−0,004	8.8372	7.9530	0.4942	−8.2755
8226	Tucanæ.....	6	30 16,06	3,421	−0,0753	−0,037	9.1741	8.2896	0.5341	−9.1267
8227	75 Pegasi	6	30 22,70	3,016	+0,0074	+0,007	8.8410	7.9549	0.4794	+8.3209
8228	Tucanæ.....	6	30 38,60	3,648	−0,1394	−0,022	9.3676	8.4775	0.5621	−9.3494
8229	17 Andromedæ.... ι	4	30 47,62	2,915	+0,0227	+0,003	8.9523	8.0600	0.4647	+8.7815
8230	Phœnicis ..... θ	5½	31 23,52	3,252	−0,0377	−0,011	8.9906	8.0892	0.5122	−8.8580
8231	18 Andromedæ.....	6	31 53,17	2,878	+0,0289	+0,001	9.0093	8.1003	0.4591	+8.8913
8232	102 Aquarii..... ω^1	5	32 0,13	3,114	−0,0098	+0,005	8.8358	7.9249	0.4934	−8.2503
8233	17 Piscium ..... ι	4½	32 13,96	3,057	+0,0009	+0,055	8.8223	7.9077	0.4853	+7.7461
8234	Pegasi	6½	32 16,75	3,046	+0,0030	+0,015	8.8259	7.9107	0.4837	+8.0129
8235	Phœnicis	6	23 32 40,21	+3,318	−0,0550	+0,040	+9.0875	−8.1661	+0.5209	−9.0123

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
8191	149 49 50,5	−19,80	−0,079	.....	−8.9106	+9.9313	−1.2967	−9.1990	....	....	.....	....	....	R 603
8192	132 34 48,0	19,81	0,075	+0,06	9.3284	+9.8249	1.2968	9.1971	....	102	v.3399	9507	7298	
8193	94 54 29,7	19,81	0,071	+0,33	9.6221	+8.9268	1.2968	9.1971	....	103	iii.2933	....	....	M 971
8194	112 11 45,5	19,81	0,072	−0,04	9.5345	+9.5718	1.2968	9.1963	3126	104	iii.2934			
8195	51 35 13,2	19,81	0,066	+0,05	9.6409	−9.7879	1.2968	9.1952	3128	107	iii.2936			
8196	112 4 35,3	19,81	0,072	+0,09	9.5356	+9.5696	1.2968	9.1950	3127	105	iii.2935			
8197	102 46 28,0	19,81	0,071	−0,07	9.5896	+9.3393	1.2969	9.1936	....	106	iii.2937			
8198	91 54 49,8	19,81	0,070	−0,03	9.6320	+8.5184	1.2969	9.1912	3129	108	ii.2808	....	....	M 972
8199	102 22 15,1	19,81	0,070	+0,01	−9.5920	+9.3257	1.2970	9.1892	....	109	ii.2809	....	....	W 1281
8200	164 34 28,9	19,82	0,086	+1,66	+8.5159	+9.9789	1.2970	9.1868	....	....	.....	9505	7299	
8201	128 38 50,6	19,82	0,072	+0,10	−9.3869	+9.7904	1.2971	9.1833	....	111	v.3400	9513	7300	J 589
8202	111 44 33,5	19,83	0,069	−0,04	9.5408	+9.5638	1.2973	9.1770	3130	114	ii.2810	....	....	J 590
8203	68 19 39,4	19,83	0,065	−0,02	9.6608	−9.5626	1.2974	9.1702	3132	115	ii.2811			
8204	18 49 34,4	19,84	0,054	+0,03	9.4461	−9.9714	1.2975	9.1677	3135	....	.....	....	....	B 60
8205	92 4 31,4	19,84	0,066	−0,01	9.6319	+8.5542	1.2976	9.1641	3133	116	ii.2812	....	....	M 973
8206	59 30 10,5	19,84	0,063	+0,02	9.6511	−9.7008	1.2976	9.1631	3134	118	iii.2940			
8207	155 31 8,0	19,84	0,074	−0,18	8.6776	+9.9545	1.2976	9.1620	....	....	.....	9518	7301	R 604
8208	147 39 9,0	19,84	0,071	−0,14	9.0410	+9.9222	1.2976	9.1605	....	....	v.3401	9520	7302	R 605
8209	133 30 44,0	19,84	0,069	+0,10	9.3328	+9.8333	1.2976	9.1600	....	117	v.3402	9522	7303	R 606
8210	133 26 38,6	19,85	0,068	+0,15	9.3353	+9.8329	1.2977	9.1570	....	120	ii.2813	9523	7304	J591, R607
8211	57 19 54,7	19,85	0,061	−0,06	9.6456	−9.7278	1.2978	9.1539	3136	124	iii.2944			
8212	50 35 25,6	19,85	0,060	+0,03	9.6290	−9.7982	1.2978	9.1529	3137	125	iii.2945			
8213	3 31 12,2	19,86	0,001	−0,02	9.2214	−9.9949	1.2979	9.1466	3147	135	iii.2947	....	....	B.H 485
8214	98 17 38,1	19,86	0,063	+0,04	9.6119	+9.1548	1.2979	9.1463	....	126	ii.2814	....	....	M 974
8215	89 30 56,6	19,86	0,063	+0,05	9.6386	−7.9226	1.2979	9.1461	3138	127	ii.2815	....	7306	M 975
8216	117 42 19,7	19,86	0,064	+0,13	9.5052	+9.6632	1.2981	9.1398	....	130	ii.2816	9529	....	W 1285
8217	19 11 13,6	19,87	0,051	−0,01	9.4346	−9.9711	1.2981	9.1368	3140	....	.....	....	....	G 4100
8218	88 43 43,8	19,87	0,061	−0,10	−9.6404	−8.3420	1.2982	9.1335	3139	132	ii.2817	....	....	M 976
8219	167 41 59,9	19,87	0,077	+0,14	+8.5988	+9.9859	1.2982	9.1310	....	....	.....	9525	7307	
8220	136 19 15,6	19,88	0,062	−0,26	−9.3109	+9.8555	1.2984	9.1191	....	....	v.3405	9535	7309	
8221	103 53 26,7	19,88	0,060	−0,02	9.5908	+9.3766	1.2985	9.1174	....	133	ii.2818	....	....	W 1287
8222	74 0 14,4	19,88	0,057	−0,02	9.6562	−9.4365	1.2985	9.1147	3141	134	iii.2948			
8223	46 24 1,5	19,89	0,055	.....	9.6061	−9.8349	1.2985	9.1126	....	....	.....	....	....	G 4105
8224	44 21 13,7	19,89	0,055	+0,39	9.5977	−9.8507	1.2986	9.1123	3143	138	ii.2819			
8225	105 55 16,6	19,89	0,059	+0,21	9.5818	+9.4346	1.2986	9.1121	....	137	iv.2033	....	....	Z 1611
8226	153 43 7,1	19,89	0,065	+0,47	8.8820	+9.9490	1.2986	9.1118	....	....	.....	9538	7311	R 608
8227	72 25 44,6	19,89	0,057	−0,07	9.6557	−9.4762	1.2986	9.1102	3142	139	ii.2820			
8228	163 31 26,6	19,89	0,068	+1,11	6.7782	+9.9782	1.2987	9.1063	....	....	.....	9537	7312	
8229	47 33 41,4	19,89	0,054	−0,05	9.6086	−9.8256	1.2987	9.1041	3144	142	iii.2949			
8230	137 28 17,7	19,90	0,059	+0,44	9.3043	+9.8640	1.2988	9.0952	....	....	ii.2821	9543	7315	J 592
8231	40 21 33,3	19,90	0,051	+0,02	9.5731	−9.8787	1.2989	9.0876	3146	144	iii.2951			
8232	105 3 4,1	19,91	0,055	+0,02	9.5883	+9.4112	1.2990	9.0859	3145	143	ii.2822	....	....	J 593
8233	85 11 11,8	19,91	0,054	+0,44	9.6459	−8.9207	1.2990	9.0822	3148	145	ii.2823	....	....	M 977
8234	81 9 11,0	19,91	0,054	+0,03	9.6507	−9.1838	1.2990	9.0816	....	146	iii.2952	....	....	B.F 3241
8235	147 14 31,0	−19,91	−0,058	−1,18	−9.1297	+9.9217	−1.2991	−9.0754	....	....	.....	9549	....	R 609

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
8236	Sculptoris .... μ	6	23 32 45,47	+3,173	−0,0220	−0,011	+8.8968	−7.9739	+0.5015	−8.6317
8237	19 Andromedæ.... $\varkappa$	4½	33 1,85	2,922	+0,0239	+0,005	8.9604	8.0331	0.4656	+8.7982
8238	35 Cephei ..... γ	3	33 14,20	2,407	+0,0703	−0,016	9.4622	8.5316	0.3814	+9.4505
8239	Aquarii	6	33 23,03	3,105	−0,0083	+0,009	8.8314	7.8983	0.4921	−8.1671
8240	103 Aquarii ..... A^1	5	33 47,62	3,123	−0,0119	0,000	8.8450	7.9051	0.4945	−8.3545
8241	Phœnicis	6½	33 57,65	3,212	−0,0317	−0,041	8.9577	8.0150	0.5068	−8.7922
8242	104 Aquarii ..... A^2	5	33 58,44	3,122	−0,0118	+0,004	8.8445	7.9016	0.4944	−8.3493
8243	18 Piscium ..... λ	5	34 23,84	3,068	−0,0009	−0,004	8.8213	7.8712	0.4869	+7.0434
8244	Tucanæ.....	6	34 24,69	3,317	−0,0583	.....	9.1067	8.1564	0.5207	−9.0388
8245	Andromedæ.....	6	34 52,31	2,929	+0,0248	.....	8.9655	8.0073	0.4667	+8.8086
8246*	105 Aquarii ..... ω^9	5½	34 56,52	3,111	−0,0098	+0,010	8.8371	7.8776	0.4929	−8.2605
8247*	Pegasi	7½	34 56,71	3,024	+0,0078	+0,005	8.8427	7.8831	0.4805	+8.3289
8248	76 Pegasi	6	35 7,23	3,030	+0,0066	+0,008	8.8375	7.8748	0.4815	+8.2644
8249	Octantis	6	35 27,69	3,852	−0,2464	+0,132	9.5665	8.5978	0.5857	−9.5593
8250	77 Pegasi	5½	35 44,51	3,047	+0,0035	+0,002	8.8275	7.8538	0.4839	+8.0450
8251	Tucanæ.....	6	35 46,98	3,488	−0,1131	+0,040	9.3161	8.3417	0.5426	−9.2926
8252*	Cassiopeæ.....	7	35 48,40	2,888	+0,0326	.....	9.0353	8.0604	0.4606	+8.9337
8253*	Tucanæ.....	6	35 52,41	3,375	−0,0785	−0,034	9.1995	8.2284	0.5283	−9.1576
8254*	Phœnicis	6	35 56,69	3,215	−0,0349	.....	8.9791	8.0018	0.5072	−8.8355
8255	106 Aquarii..... i^1	5	36 25,17	3,118	−0,0120	+0,005	8.8462	7.8601	0.4939	−8.3613
8256	78 Pegasi	5	36 27,33	2,996	+0,0141	+0,010	8.8778	7.8911	0.4766	+8.5569
8257	Piscium	7	37 9,61	3,056	+0,0020	−0,008	8.8244	7.8244	0.4851	+7.8689
8258	Gruis.....	6	38 5,77	3,182	−0,0290	+0,011	8.9442	7.9259	0.5026	−8.7613
8259	107 Aquarii..... i^2	6	38 13,19	3,116	−0,0121	+0,008	8.8476	7.8268	0.4935	−8.3714
8260	Phœnicis	7	38 18,61	3,186	−0,0303	−0,146	8.9535	7.9309	0.5032	−8.7822
8261	20 Andromedæ.... ψ	5	38 37,07	2,944	+0,0266	+0,004	8.9770	7.9482	0.4689	+8.8309
8262	19 Piscium	6	38 43,87	3,065	+0,0002	+0,002	8.8225	7.7913	0.4864	+7.4884
8263	Tucanæ.....	6	39 3,80	3,392	−0,0960	+0,009	9.2723	8.2342	0.5305	−9.2431
8264	Phœnicis ..... σ	6	39 17,10	3,220	−0,0416	−0,033	9.0238	7.9811	0.5079	−8.9147
8265	Tucanæ.....	6	39 26,41	3,341	−0,0800	.....	9.2141	8.1682	0.5238	−9.1751
8266	Aquarii	6	39 32,20	3,098	−0,0080	−0,015	8.8330	7.7850	0.4910	−8.1764
8267	Tucanæ.....	6½	39 42,80	3,355	−0,0859	−0,065	9.2377	8.1859	0.5257	−9.2030
8268	5 Cassiopeæ .... τ	5	39 44,67	2,883	+0,0404	+0,008	9.0958	8.0433	0.4599	+9.0233
8269*	Piscium	8	40 5,10	3,064	+0,0007	.....	8.8230	7.7631	0.4863	+7.5957
8270*	Piscium	8½	40 8,55	3,064	+0,0006	.....	8.8230	7.7619	0.4863	+7.5889
8271	20 Piscium	5½	40 13,85	3,078	−0,0030	+0,007	8.8232	7.7600	0.4882	−7.6204
8272*	Piscium	7	40 32,75	3,056	+0,0028	.....	8.8260	7.7559	0.4851	+7.9367
8273*	Cephei	5	40 46,33	2,807	+0,0569	+0,006	9.2300	8.1548	0.4482	+9.1940
8274	Aquarii	6½	40 49,63	3,085	−0,0049	−0,015	8.8258	7.7494	0.4892	−7.9247
8275	Sculptoris..... δ	5	41 6,43	3,132	−0,0182	+0,009	8.8804	7.7975	0.4958	−8.5655
8276	Piscium	6½	41 8,63	3,068	−0,0004	−0,010	8.8226	7.7388	0.4869	+7.2053
8277	Cassiopeæ.....	6	41 24,68	2,848	+0,0512	.....	9.1813	8.0913	0.4546	+9.1351
8278	Tucanæ.....	6	41 32,12	3,288	−0,0697	−0,091	9.1756	8.0827	0.5169	−9.1281
8279	6 Cassiopeæ.....	5½	41 33,69	2,874	+0,0465	+0,002	9.1422	8.0487	0.4585	+9.0856
8280*	Cassiopeæ.....	7	23 41 33,73	+2,891	+0,0429	.....	+9.1125	−8.0190	+0.4610	+9.0462

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
8236	122 54 4,8	−19,91	−0,055	−0,02	−9.4771	+9.7319	−1.2991	−9.0740	....	148	v.3410	9552	7316	
8237	46 29 45,1	19,92	0,050	−0,02	9.5973	−9.8348	1.2992	9.0697	3149	151	ii.2824			
8238	13 12 18,3	19,92	0,041	−0,17	9.3274	−9.9854	1.2993	9.0664	3152	155	ii.2826			
8239	102 30 40,2	19,92	0,053	−0,04	9.6005	+9.3328	1.2993	9.0640	....	153	ii.2825	....	....	W 1289
8240	108 51 18,8	19,92	0,052	+0,05	9.5726	+9.5066	1.2994	9.0573	3150	154	ii.2827	....	....	J 594
8241	133 5 52,4	19,93	0,053	+0,04	9.3791	+9.8318	1.2994	9.0545	....	....	v.3412	9561	7318	R 610
8242	108 38 50,5	19,93	0,052	−0,07	9.5740	+9.5020	1.2994	9.0543	3151	156	ii.2828	....	....	J 595
8243	89 2 39,8	19,93	0,050	+0,13	9.6393	−8.2194	1.2995	9.0472	3153	158	ii.2829	....	....	M 978
8244	148 47 26,5	19,93	0,054	.....	9.1126	+9.9294	1.2995	9.0470	....	....	.....	....	....	R 611
8245	45 50 21,1	19,93	0,047	.....	9.5883	−9.8404	1.2996	9.0391	....	....	.....	....	....	G 4128
8246	105 22 18,1	19,94	0,050	−0,04	9.5905	+9.4208	1.2996	9.0379	3154	159	ii.2830			
8247	72 9 48,6	19,94	0,048	.....	9.6498	−9.4836	1.2996	9.0378	3155	....	.....	....	....	L 34
8248	74 29 49,4	19,94	0,048	−0,01	−9.6505	−9.4244	1.2997	9.0348	3156	162	ii.2831			
8249	169 38 16,1	19,94	0,060	+1,99	+8.4314	+9.9904	1.2997	9.0288	....	....	.....	9560	7319	
8250	80 30 5,4	19,94	0,047	0,00	−9.6488	−9.2151	1.2998	9.0239	3157	163	ii.2832			
8251	161 19 35,7	19,94	0,054	+0,04	8.5911	+9.9741	1.2998	9.0231	....	....	.....	9566	7320	.
8252	37 40 45,3	19,94	0,044	0,00	9.5425	−9.8960	1.2998	9.0227	3158	....	.....	....	....	B 61
8253	155 14 17,8	19,94	0,052	−0,16	8.9365	+9.9557	1.2998	9.0215	....	....	.....	9571	7321	R 612
8254	135 55 16,7	19,94	0,049	.....	9.3553	+9.8540	1.2998	9.0202	....	....	.....	9574		
8255	109 6 31,3	19,95	0,047	−0,03	9.5758	+9.5127	1.2999	9.0116	3159	165	ii.2833	....	....	J 596
8256	61 28 5,6	19,95	0,045	−0,01	9.6338	−9.6768	1.2999	9.0109	3160	166	ii.2834			
8257	83 38 21,3	19,96	0,044	+0,04	9.6457	−9.0423	1.3001	8.9978	....	170	ii.2835	....	....	M 979
8258	131 0 48,5	19,96	0,044	+0,11	9.4229	+9.8151	1.3002	8.9797	....	176	v.3414	9582	7324	R 613
8259	109 30 46,8	19,97	0,043	−0,03	9.5767	+9.5218	1.3003	8.9772	3161	177	ii.2836			
8260	132 22 52,8	19,97	0,044	+1,10	9.4098	+9.8268	1.3003	8.9754	....	....	.....	9585	....	R 614
8261	44 24 44,7	19,97	0,040	+0,01	9.5686	−9.8520	1.3003	8.9692	3163	181	ii.2837	....	....	G 4137
8262	87 20 39,7	19,97	0,041	−0,02	9.6413	−8.6640	1.3004	8.9669	3162	182	ii.2838	....	....	M 980
8263	159 13 33,9	19,97	0,045	+0,05	8.8363	+9.9690	1.3004	8.9601	....	....	.....	9588	7325	
8264	141 3 27,8	19,97	0,042	0,00	9.3066	+9.8891	1.3004	8.9555	....	....	v.3415	9591	7326	R 615
8265	156 4 33,1	19,97	0,044	.....	8.9736	+9.9592	1.3005	8.9523	....	....	.....	....	7327	
8266	102 44 21,7	19,98	0,040	+0,09	9.6060	+9.3417	1.3005	8.9502	....	185	ii.2839	....	....	M 981
8267	157 24 31,6	19,98	0,043	+0,91	8.9299	+9.9636	1.3005	8.9465	....	....	.....	9592	7328	
8268	32 11 1,0	19,98	0,037	−0,06	9.4854	−9.9259	1.3005	8.9458	3164	187	ii.2840			
8269	86 36 10,7	19,98	0,039	.....	9.6418	−8.7711	1.3006	8.9384	....	....	.....	....	....	B.F 3256
8270	86 39 21,7	19,98	0,039	.....	9.6417	−8.7643	1.3006	8.9372	....	....	.....	....	....	B.F 3257
8271	93 35 41,8	19,98	0,039	−0,02	9.6311	+8.7957	1.3006	8.9353	3165	188	ii.2841	....	....	M 982
8272	82 35 8,1	19,98	0,038	.....	9.6446	−9.1092	1.3007	8.9283	....	....	.....	....	....	B.F 3261
8273	23 1 34,8	19,98	0,034	−0,01	9.3924	−9.9624	1.3007	8.9232	3166	191	ii.2843	....	....	B.H 483
8274	97 12 46,6	19,99	0,038	+0,08	9.6233	+9.0973	1.3007	8.9220	....	190	ii.2842	....	....	M 983
8275	118 57 33,2	19,99	0,038	+0,10	9.5312	+9.6835	1.3007	8.9156	....	192	v.3416	9603	7330	P 1103
8276	88 37 0,5	19,99	0,037	+0,02	9.6393	−8.3813	1.3008	8.9148	....	193	iii.2965	....	....	B.F 3258
8277	25 57 23,2	19,99	0,034	.....	9.4195	−9.9524	1.3008	8.9086	....	....	.....	....	....	G 4144
8278	153 40 29,6	19,99	0,039	+0,48	9.0803	+9.9510	1.3008	8.9057	....	....	.....	9604	7331	
8279	28 37 5,6	19,99	0,034	−0,04	9.4448	−9.9420	1.3008	8.9051	3169	195	iii.2966			
8280	30 51 17,4	−19,99	−0,034	−0,02	−9.4648	−9.9323	−1.3008	−8.9051	3168	....	.....	....	....	B 62

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
8281	21 Piscium	6	23 41 46,76	+3,070	−0,0009	+0,003	+8.8225	−7.7239	+0.4872	+6.4486
8282*	Cassiopeæ.....	6	41 50,52	2,900	+0,0415	.....	9.0999	7.9997	0.4625	+9.0290
8283	Tucanæ.....	7	41 54,25	3,269	−0,0641	.....	9.1505	8.0488	0.5144	−9.0964
8284	79 Pegasi	6	42 4,33	3,015	+0,0142	+0,007	8.8767	7.7709	0.4793	+8.5484
8285	Aquarii.....	6	42 30,15	3,090	−0,0067	+0,002	8.8304	7.7141	0.4900	−8.1036
8286	Phœnicis	6	42 42,34	3,183	−0,0367	+0,011	8.9990	7.8775	0.5029	−8.8715
8287*	Aquarii.....	7	42 48,33	3,109	−0,0127	.....	8.8527	7.7288	0.4927	−8.4084
8288	Aquarii.....	6	42 49,04	3,098	−0,0092	+0,014	8.8382	7.7139	0.4911	−8.2578
8289	Cassiopeæ.....	6	42 54,13	2,949	+0,0326	+0,028	9.0219	7.8954	0.4696	+8.9111
8290	Octantis ..... γ^1	5	43 5,70	3,856	−0,3599	−0,141	9.7278	8.5965	0.5862	−9.7245
8291	Piscium	7½	43 26,42	3,068	−0,0002	+0,005	8.8229	7.6825	0.4869	+7.2123
8292	108 Aquarii.....	6	43 36,30	3,105	−0,0118	+0,002	8.8491	7.7044	0.4921	−8.3778
8293	80 Pegasi	7	43 42,20	3,056	+0,0035	+0,002	8.8276	7.6802	0.4852	+7.9964
8294	Phœnicis	6	43 51,31	3,154	−0,0288	−0,051	8.9494	7.7980	0.4989	−8.7720
8295	22 Piscium	6	44 17,30	3,067	+0,0002	+0,004	8.8232	7.6599	0.4867	+7.3867
8296	Pegasi	6	44 46,95	3,037	+0,0102	+0,002	8.8523	7.6751	0.4824	+8.4034
8297	Aquarii.....	6	44 47,44	3,095	−0,0090	−0,003	8.8382	7.6607	0.4906	−8.2536
8298*	Cephei	7	44 48,48	2,694	+0,0948	.....	9.4634	8.2854	0.4304	+9.4517
8299	81 Pegasi ..... φ	6	44 51,70	3,041	+0,0089	0,000	8.8455	7.6660	0.4831	+8.3421
8300	82 Pegasi	6	44 58,35	3,055	+0,0044	+0,001	8.8298	7.6471	0.4850	+8.0742
8301	83 Pegasi	7	45 3,25	3,037	+0,0103	−0,001	8.8526	7.6675	0.4825	+8.4051
8302	24 Piscium	6½	45 13,32	3,077	−0,0029	+0,009	8.8241	7.6341	0.4881	−7.6663
8303	25 Piscium	6½	45 23,81	3,069	−0,0001	+0,001	8.8231	7.6280	0.4870	+7.1644
8304	Ceti	6	45 35,24	3,110	−0,0151	+0,007	8.8660	7.6651	0.4928	−8.4930
8305	Tucanæ.....	6	45 39,03	3,266	−0,0791	.....	9.2274	8.0246	0.5140	−9.1907
8306	Phœnicis	7	45 46,13	3,170	−0,0390	+0,005	9.0174	7.8110	0.5011	−8.9034
8307	Cassiopeæ.....	6½	46 3,69	2,971	+0,0332	+0,013	9.0213	7.8059	0.4730	+8.9099
8308	Ceti	6½	46 36,40	3,112	−0,0161	+0,009	8.8767	7.6439	0.4930	−8.5466
8309	Sculptoris.....	6½	46 46,29	3,138	−0,0279	+0,043	8.9463	7.7081	0.4967	−8.7644
8310	7 Cassiopeæ..... ϱ	5½	46 54,26	2,955	+0,0411	−0,006	9.0832	7.8406	0.4705	+9.0051
8311	Piscium	6½	47 5,85	3,072	−0,0011	−0,014	8.8233	7.5742	0.4874	−6.9255
8312	26 Piscium	6	47 27,56	3,063	+0,0025	+0,005	8.8258	7.5644	0.4861	+7.8619
8313	Sculptoris.....	6½	47 31,13	3,117	−0,0204	+0,007	8.8985	7.6350	0.4938	−8.6317
8314	Cephei	5	47 35,90	2,825	+0,0843	+0,027	9.3719	8.1056	0.4511	+9.3538
8315*	Piscium	7	47 57,68	3,062	+0,0032	.....	8.8269	7.5477	0.4859	+7.9362
8316	Cassiopeæ.....	6½	47 59,95	2,981	+0,0351	+0,001	9.0330	7.7524	0.4744	+8.9289
8317	Cassiopeæ.....	6½	48 4,21	2,965	+0,0414	+0,003	9.0823	7.7992	0.4721	+9.0038
8318*	Phœnicis	6½	48 51,34	3,175	−0,0515	−0,074	9.0990	7.7862	0.5017	−9.0274
8319	Octantis ..... γ^2	5	49 8,23	3,587	−0,3254	−0,113	9.7378	8.4139	0.5547	−9.7346
8320	Tucanæ	6	49 24,35	3,196	−0,0662	−0,024	9.1784	7.8436	0.5046	−9.1313
8321	Cephei	7	49 29,31	2,614	+0,1555	+0,010	9.6995	8.3613	0.4173	+9.6956
8322	Cassiopeæ.....	6	49 36,50	2,985	+0,0394	+0,002	9.0635	7.7203	0.4749	+8.9762
8323*	Tucanæ ..... η	5	49 39,75	3,201	−0,0704	−0,031	9.1997	7.8542	0.5053	−9.1574
8324	84 Pegasi ..... ψ	5½	50 7,50	3,045	+0,0127	+0,002	8.8638	7.4984	0.4835	+8.4784
8325*	Tucanæ.....	7	23 50 30,18	+3,183	−0,0657	−0,036	+9.1791	−7.7967	+0.5029	−9.1321

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No.	North Polar Distance, Jan. 1, 1850.	Annual Precess.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
8281	89 45 28,0	−19,99	−0,036	+0,08	−9.6378	−7.6247	−1.3009	−8.8999	3167	197	ii.2845	....	....	M 985
8282	31 52 11,4	19,99	0,034	+0,02	9.4717	−9.9277	1.3009	8.8984	3170	....	.....	....	....	G 4146
8283	151 58 15,6	19,99	0,038	.....	9.1281	+9.9445	1.3009	8.8969	....	....	.....	....	....	R 616
8284	61 59 31,8	19,99	0,034	−0,05	9.6230	−9.6704	1.3009	8.8929	3171	198	ii.2846			
8285	100 48 45,3	20,00	0,034	+0,15	9.6149	+9.2720	1.3010	8.8824	....	200	ii.2847	....	....	M 986
8286	138 12 43,1	20,00	0,035	+0,07	9.3674	+9.8713	1.3010	8.8773	....	....	v.3418	9613	7333	
8287	111 3 54,6	20,00	0,034	.....	9.5776	+9.5544	1.3010	8.8748	....	....	.....	....	....	Z 1624
8288	105 14 9,0	20,00	0,034	+0,20	9.6010	+9.4184	1.3010	8.8745	....	203	ii.2848	....	....	W 1298
8289	39 12 42,5	20,00	0,032	+0,04	−9.5213	−9.8880	1.3010	8.8724	....	204	iii.2968	....	....	G 4148
8290	172 51 9,9	20,00	0,041	+0,02	+8.2810	+9.9954	1.3010	8.8674	....	....	ii.2849	9607	7334	J598, R617
8291	88 35 44,2	20,00	0,032	0,00	−9.6391	−8.3882	1.3011	8.8585	....	206	iii.2970			
8292	109 44 39,6	20,00	0,032	+0,03	9.5847	+9.5276	1.3011	8.8541	3172	207	ii.2850			
8293	81 31 3,5	20,00	0,032	+0,04	9.6432	−9.1677	1.3011	8.8516	3173	208	ii.2851			
8294	131 39 27,2	20,01	0,032	+0,06	9.4431	+9.8215	1.3011	8.8475	....	....	.....	9623	....	R 618
8295	87 54 9,2	20,01	0,031	−0,02	9.6397	−8.5625	1.3012	8.8357	3174	209	ii.2852			
8296	69 9 45,1	20,01	0,029	−0,02	9.6327	−9.5502	1.3013	8.8219	3175	211	ii.2854	....	....	B.F 3268
8297	105 5 13,2	20,01	0,030	+0,14	9.6039	+9.4145	1.3013	8.8216	....	210	ii.2853	....	....	W 1302
8298	13 13 52,0	20,01	0,026	+0,10	9.2143	−9.9874	1.3013	8.8211	3181	....	.....	....	....	Airy (G)
8299	71 42 43,3	20,01	0,029	−0,01	9.6362	−9.4957	1.3013	8.8196	3176	212	ii.2855			
8300	79 53 18,2	20,01	0,029	+0,04	9.6422	−9.2435	1.3013	8.8164	3177	213	ii.2856			
8301	69 5 25,8	20,01	0,029	+0,01	9.6322	−9.5516	1.3013	8.8140	3178	214	iii.2971			
8302	93 59 14,6	20,01	0,029	−0,02	9.6319	+8.8413	1.3013	8.8091	3179	215	ii.2857	....	....	M 987
8303	88 44 33,7	20,01	0,029	−0,02	9.6388	−8.3404	1.3013	8.8040	3180	219	ii.2858			
8304	115 3 52,3	20,02	0,029	+0,11	9.5641	+9.6261	1.3014	8.7983	....	222	iii.2973	9633		
8305	156 47 10,4	20,02	0,030	.....	9.0554	+9.9625	1.3014	8.7964	....	....	.....	....	7341	R 619
8306	140 15 58,8	20,02	0,029	−0,18	9.3612	+9.8851	1.3014	8.7928	....	....	.....	9634	....	R 620
8307	39 18 46,2	20,02	0,026	+0,02	9.5077	−9.8878	1.3014	8.7838	....	223	iii.2974	....	....	G 4157
8308	117 52 38,2	20,02	0,027	+0,04	9.5518	+9.6691	1.3015	8.7665	....	....	v.3423	9639	7342	
8309	131 8 10,1	20,02	0,026	+0,01	9.4606	+9.8174	1.3015	8.7611	....	225	v.3424	9640	7343	
8310	33 20 5,9	20,02	0,025	−0,01	9.4567	−9.9212	1.3015	8.7567	3182	226	iii.2976			
8311	90 43 30,2	20,02	0,025	+0,06	9.6367	+8.1015	1.3015	8.7503	....	227	ii.2859	....	....	M 988
8312	83 45 44,5	20,03	0,024	−0,02	9.6408	−9.0354	1.3016	8.7379	3183	228	ii.2860	....	....	M 989
8313	122 45 22,4	20,03	0,025	−0,07	9.5258	+9.7326	1.3016	8.7359	....	....	v.3425	9643	7344	
8314	16 25 24,9	20,03	0,022	−0,11	9.2420	−9.9813	1.3016	8.7331	....	....	.....	....	....	G 4163 P 1104
8315	82 36 37,2	20,03	0,023	.....	9.6407	−9.1087	1.3016	8.7202	....	....	.....	....	....	B.F 3276
8316	38 5 59,2	20,03	0,023	−0,05	9.4900	−9.8953	1.3016	8.7188	....	231	iii.2978	....	....	G 4164
8317	33 25 17,3	20,03	0,023	−0,05	9.4509	−9.9209	1.3016	8.7163	3184	232	iii.2979	....		
8318	147 59 6,2	20,03	0,023	+0,77	9.2762	+9.9278	1.3017	8.6867	....	....	v.3429	9656	7348	
8319	173 0 18,4	20,03	0,025	+0,24	7.7709	+9.9963	1.3017	8.6756	....	....	ii.2861	9651	7350	J 599, R621
8320	153 47 39,8	20,03	0,022	+0,33	9.1764	+9.9524	1.3018	8.6647	....	....	.....	9658	....	R 622
8321	7 38 42,3	20,03	0,018	+0,04	9.0133	−9.9957	1.3018	8.6613	3187	....	.....	....	....	G 4174
8322	35 7 46,5	20,03	0,020	+0,05	9.4576	−9.9122	1.3018	8.6563	3185	237	iii.2981	....	....	G 4173
8323	155 7 50,5	20,04	0,021	−0,07	9.1511	+9.9573	1.3018	8.6541	....	....	ii.2862	9661	7352	J 600
8324	65 41 31,2	20,04	0,019	+0,01	9.6162	−9.6141	1.3018	8.6342	3186	239	ii.2863			
8325	153 49 53,9	−20,04	−0,019	.....	−9.1881	+9.9527	−1.3019	−8.6173	....	....	.....	9668	....	R 623

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Prèces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
8326	Cassiopeæ.....	6	23 50 32,35	+3,006	+0,0330	−0,005	+9.0119	−7.6279	+0.4780	+8.8936
8327	1 Ceti	7	50 38,45	3,087	−0,0096	+0,013	8.8422	7.4535	0.4895	−8.3002
8328*	27 Piscium	5	50 59,63	3,075	−0,0028	−0,003	8.8249	7.4194	0.4878	−7.7086
8329	Phœnicis .....π	5½	51 9,11	3,141	−0,0428	+0,034	9.0501	7.6369	0.4970	−8.9557
8330	8 Cassiopeæ.....σ	5½	51 25,62	2,999	+0,0400	+0,004	9.0641	7.6373	0.4770	+8.9771
8331	28 Piscium .....ω	4½	51 36,73	3,065	+0,0026	+0,015	8.8260	7.3897	0.4865	+7.8477
8332	Sculptoris.....	6	51 45,36	3,099	−0,0182	+0,015	8.8875	7.4437	0.4912	−8.5907
8333	Piscium	7	51 59,29	3,076	−0,0040	+0,023	8.8266	7.3704	0.4880	−7.8953
8334*	Tucanæ..... ε	5	52 4,39	3,177	−0,0735	+0,002	9.2214	7.7605	0.5020	−9.1835
8335	Pegasi	7	52 7,49	3,062	+0,0050	+0,007	8.8309	7.3672	0.4860	+8.0890
8336*	Urræ Minoris	6½	52 34,03	2,470	+0,2512	−0,009	9.9664	8.4775	0.3927	+9.9652
8337*	Pegasi	7	52 43,98	3,050	+0,0140	+0,003	8.8704	7.3717	0.4843	+8.5135
8338*	Cassiopeæ.....	7	53 7,31	2,997	+0,0516	+0,011	9.1429	7.6203	0.4767	+9.0861
8339	Phœnicis .....τ	5½	53 20,79	3,116	−0,0365	−0,031	9.0125	7.4755	0.4936	−8.8944
8340	Phœnicis	6½	53 32,49	3,105	−0,0282	−0,023	8.9549	7.4050	0.4921	−8.7831
8341	Phœnicis	6	53 36,25	3,117	−0,0385	−0,027	9.0265	7.4723	0.4937	−8.9181
8342	Octantis .....θ	5½	53 47,62	3,239	−0,1548	−0,053	9.5021	7.9349	0.5105	−9.4923
8343	Sculptoris.....	6	53 58,77	3,101	−0,0268	+0,007	8.9459	7.3654	0.4915	−8.7627
8344*	Cassiopeæ.....	5	53 59,41	3,009	+0,0501	.....	9.1299	7.5487	0.4784	+9.0691
8345	Andromedæ.....	6	54 4,19	3,040	+0,0256	.....	8.9495	7.3625	0.4829	+8.7711
8346	29 Piscium	5	54 8,23	3,073	−0,0023	+0,002	8.8248	7.2327	0.4876	−7.6532
8347	Phœnicis	6	54 11,84	3,102	−0,0282	−0,005	8.9558	7.3593	0.4916	−8.7850
8348	Sculptoris.....	6½	54 14,13	3,097	−0,0241	+0,025	8.9276	7.3283	0.4909	−8.7176
8349	30 Piscium	4½	54 16,11	3,075	−0,0039	+0,007	8.8269	7.2250	0.4878	−7.9033
8350	85 Pegasi	6	54 20,72	3,054	+0,0143	+0,067	8.8712	7.2635	0.4849	+8.5175
8351*	Piscium	7½	54 20,99	3,073	−0,0022	0,000	8.8246	7.2166	0.4875	−7.6226
8352	Sculptoris..... ζ	5½	54 37,90	3,089	−0,0181	+0,001	8.8887	7.2584	0.4898	−8.5949
8353	31 Piscium ..... c^1	6	54 43,37	3,066	+0,0040	−0,001	8.8282	7.1904	0.4866	+7.9783
8354	32 Piscium ..... c^2	6	54 49,95	3,067	+0,0037	−0,002	8.8277	7.1809	0.4866	+7.9521
8355*	Cassiopeæ.....	6	54 57,35	3,007	+0,0618	.....	9.2022	7.5449	0.4781	+9.1604
8356*	Cephei	•	55 9,53	2,866	+0,1871	−0,006	9.6878	8.0126	0.4573	+9.6837
8357	Sculptoris	6½	55 45,50	3,089	−0,0231	+0,047	8.9220	7.1893	0.4899	−8.7023
8358	2 Ceti	4	56 3,19	3,078	−0,0100	+0,004	8.8461	7.0822	0.4883	−8.3400
8359	9 Cassiopeæ.....	6	56 32,21	3,034	+0,0533	+0,001	9.1445	7.3239	0.4820	+9.0882
8360*	Ceti	•	56 38,34	3,077	−0,0096	.....	8.8441	7.0104	0.4881	−8.3189
8361	3 Ceti	6	56 49,32	3,074	−0,0062	+0,001	8.8324	6.9744	0.4878	−8.1262
8362*	Tucanæ.....	6	56 55,72	3,132	−0,1066	.....	9.3766	7.5038	0.4958	−9.3589
8363	Tucanæ.....	6	57 2,17	3,125	−0,0969	.....	9.3404	7.4520	0.4948	−9.3193
8364*	Cassiopeæ.....	7	57 12,36	3,045	+0,0462	.....	9.0960	7.1822	0.4836	+9.0230
8365	Piscium	6½	57 22,47	3,071	−0,0008	+0,005	8.8240	6.8831	0.4873	−7.1917
8366	Cassiopeæ.....	5	57 22,65	3,044	+0,0517	.....	9.1313	7.1898	0.4834	+9.0709
8367	Phœnicis	7	57 30,50	3,090	−0,0402	.....	9.0442	7.0805	0.4899	−8.9465
8368	33 Piscium	5	57 39,54	3,072	−0,0035	+0,004	8.8267	6.8360	0.4875	−7.8837
8369	Phœnicis	6	57 42,17	3,092	−0,0482	−0,036	9.0971	7.0972	0.4902	−9.0245
8370	86 Pegasi	6	23 58 0,23	+3,068	+0,0065	+0,005	+8.8344	−6.7745	+0.4869	+8.1719

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d''						
	° ′ ″	″	″	″										
8326	40 23 58,4	−20,04	−0,018	−0,09	−9.4951	−9.8813	−1.3019	−8.6156	....	242	iii.2983	....	....	G 4177
8327	106 40 54,4	20,04	0,018	−0,04	9.6064	+9.4576	1.3019	8.6109	3188	243	iii.2984			
8328	94 23 18,2	20,04	0,018	+0,12	9.6332	+8.8834	1.3019	8.5942	3189	244	ii.2864	....	....	M990, J601
8329	143 34 57,3	20,04	0,018	−0,13	9.3551	+9.9053	1.3019	8.5865	....	....	v.3433	9671	7355	R 624
8330	35 4 50,7	20,04	0,016	+0,02	9.4472	−9.9126	1.3019	8.5729	3190	245	iii.2985			
8331	83 57 59,7	20,04	0,016	+0,08	9.6389	−9.0213	1.3019	8.5634	3191	246	ii.2865	....	....	M 991
8332	120 19 15,1	20,04	0,016	+0,09	9.5519	+9.7029	1.3019	8.5559	....	248	v.3434	9675	7358	
8333	96 43 33,7	20,04	0,016	+0,09	9.6303	+9.0684	1.3020	8.5435	....	249	ii.2866	....	....	B.F 3282
8334	156 24 43,1	20,04	0,016	+0,10	9.1523	+9.9619	1.3020	8.5388	....	....	ii.2867	9678	7360	J602, R625
8335	79 33 46,4	20,04	0,015	+0,09	9.6365	−9.2578	1.3020	8.5360	....	250	iii.2988			
8336	4 7 43,7	20,04	0,012	.....	8.8028	−9.9986	1.3020	8.5109	3194	....	.....	....	....	G 4193
8337	63 54 51,1	20,05	0,014	0,00	9.6061	−9.6430	1.3020	8.5011	3192	251	iv.2063	....	....	B.F 3283
8338	28 39 26,6	20,05	0,013	.....	9.3701	−9.9431	1.3020	8.4772	3193	....	.....	....	....	B 63
8339	139 38 37,7	20,05	0,013	−0,29	9.4131	+9.8818	1.3020	8.4628	....	....	v.3439	9689	7365	
8340	132 19 14,4	20,05	0,013	−0,03	9.4799	+9.8280	1.3021	8.4499	....	....	.....	9692	....	R 626
8341	141 10 25,0	20,05	0,013	+0,01	9.3986	+9.8914	1.3021	8.4456	....	....	v.3440	9694	7366	
8342	167 53 35,8	20,05	0,013	−0,01	8.8096	+9.9901	1.3021	8.4326	....	....	.....	9691	7367	
8343	130 59 0,2	20,05	0,012	+0,08	9.4919	+9.8167	1.3021	8.4194	....	254	v.3441	9696	7368	
8344	29 36 45,3	20,05	0,012	+0,01	9.3751	−9.9391	1.3021	8.4186	3195	....	ii.2868	....	....	G 4198
8345	48 28 3,7	20,05	0,012	.....	9.5342	−9.8214	1.3021	8.4128	....	....	.....	....	....	G 4199
8346	93 51 43,9	20,05	0,012	−0,02	9.6348	+8.8283	1.3021	8.4078	3196	255	ii.2869	....	....	M992, J603
8347	132 26 56,4	20,05	0,012	+0,28	9.4816	+9.8291	1.3021	8.4034	....	....	.....	9698	....	R 627
8348	128 3 46,1	20,05	0,011	−0,12	9.5135	+9.7898	1.3021	8.4005	....	....	v.3442	9697	7369	
8349	96 50 51,7	20,05	0,011	+0,02	9.6313	+9.0763	1.3021	8.3980	3197	256	ii.2870	....	....	M993, J604
8350	63 42 40,3	20,05	0,011	+0,95	9.6021	−9.6462	1.3021	8.3922	3198	257	iii.2992			
8351	93 36 1,3	20,05	0,011	+0,03	9.6351	+8.7978	1.3021	8.3918	3199	258	iii.2993	....	....	B.F 3287
8352	120 33 24,9	20,05	0,011	+0,09	9.5585	+9.7061	1.3021	8.3696	....	259	v.3443	9700	7370	
8353	81 52 41,3	20,05	0,010	+0,01	9.6364	−9.1500	1.3021	8.3621	3200	260	ii.2872			
8354	82 20 50,8	20,05	0,010	+0,03	9.6366	−9.1243	1.3021	8.3531	3201	261	ii.2873	....	....	M 995
8355	24 44 8,2	20,05	0,010	−0,01	9.3045	−9.9581	1.3021	8.3426	3202	....	.....	....	....	B 64
8356	7 51 43,4	20,05	0,009	+0,02	8.9047	−9.9958	1.3021	8.3247	3203	....	.....	....	....	Airy (G)
8357	127 5 16,0	20,05	0,008	+0,23	9.5250	+9.7803	1.3022	8.2673	....	....	v.3446	9703	7373	
8358	108 10 14,8	20,05	0,008	−0,02	9.6095	+9.4939	1.3022	8.2360	3204	264	ii.2874	....	....	J 605
8359	28 32 50,6	20,05	0,007	−0,02	9.3438	−9.9437	1.3022	8.1793	3205	265	iii.2997			
8360	107 21 42,8	20,05	0,007	.....	9.6126	+9.4748	1.3022	8.1663	....	....	.....	....	....	B.F 3291
8361	101 20 37,9	20,05	0,006	−0,02	9.6261	+9.2938	1.3022	8.1419	3206	266	ii.2875			
8362	163 44 11,6	20,05	0,006	.....	9.0358	+9.9822	1.3022	8.1271	....	....	.....	9708		
8363	162 16 33,0	20,05	0,006	+0,58	9.0785	+9.9788	1.3022	8.1116	....	....	.....	9710	7374	
8364	32 18 10,9	20,05	0,005	+0,03	9.3842	−9.9270	1.3022	8.0861	3207	....	.....	....	....	B 66
8365	91 20 9,7	20,05	0,005	+0,08	9.6370	+8.3677	1.3022	8.0590	....	270	ii.2876	....	....	W 1315
8366	29 31 18,4	20,05	0,005	.....	9.3499	−9.9396	1.3022	8.0585	....	....	.....	....	....	G 4222
8367	142 58 49,1	20,05	0,005	.....	9.4024	+9.9022	1.3022	8.0362	....	....	v.3449	....	7377	R 628
8368	96 32 48,5	20,05	0,005	−0,05	9.6334	+9.0570	1.3022	8.0092	3208	272	ii.2877	....	....	M996, J606
8369	147 47 21,4	20,05	0,005	−0,25	9.3479	+9.9274	1.3022	8.0001	....	....	v.3450	9716	7378	R 629
8370	77 26 16,9	−20,05	−0,004	−0,04	−9.6289	−9.3374	−1.3022	−7.9401	3209	274	ii.2878			

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No.	Constellation.	Mag.	Right Ascension, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of			
							a	*b*	*c*	*d*
			h m s	s	s	s				
8371	Phœnicis	7	23 58 10,35	+3,080	−0,0277	−0,028	+8.9569	−6.8587	+0.4886	−8.7873
8372*	Cassiopeæ.....	6½	58 25,36	3,056	+0,0465	.....	. 9.0949	6.9327	0.4852	+9.0214
8373	10 Cassiopeæ.....	6	58 41,01	3,055	+0,0588	+0,005	9.1723	6.9316	0.4851	+9.1235
8374*	Pegasi	6½	58 50,26	3,067	+0,0159	+0,035	8.8788	6.5839	0.4867	+8.5531
8375	Sculptoris.....	6	59 15,33	3,074	−0,0249	+0,013	8.9379	6.4495	0.4877	−8.7433
8376	Sculptoris.....	7	59 43,51	3,072	−0,0262	.....	8.9482	6.0264	0.4874	−8.7678
8377	Phœnicis	7	23 59 45,81	+3,073	−0,0472	−0,009	+9.0957	−6.1097	+0.4875	−9.0226

(HERE ENDS THE CATALOGUE.)

Tables of the Right Ascension, &c. of certain Stars, in the previous Catalogue, near the Pole, for each 10th year from 1850 to 1900.

α Ursæ Minoris,

Year.	Right Ascension, Jan. 1.	Annual Precession.	Sec. Var.	Proper Motion.	Logarithms of			
					a	*b*	*c*	*d*
	h m s	s	s	s				
1850	1 5 1,42	+17,456	+11,4276	+0,090	+0.3911	+9.8559	+1.2420	+0.3909
1860	1 8 2,77	18,664	12,7011	0,090	0.4052	9.8909	1.2710	0.4051
1870	1 11 16,89	20,011	14,1647	0,090	0.4197	9.9268	1.3013	0.4196
1880	1 14 45,09	21,514	15,8487	0,090	0.4345	9.9638	1.3327	0.4344
1890	1 18 29,23	23,195	17,7869	0,090	0.4495	0.0016	1.3654	0.4494
1900	1 22 31,05	+25,089	+20,0408	+0,090	+0.4650	+0.0407	+1.3995	+0.4649

Ursæ Minoris,

Year.	Right Ascension, Jan. 1.	Annual Precession.	Sec. Var.	Proper Motion.	Logarithms of			
					a	*b*	*c*	*d*
	h m s	s	s	s				
1850	6 28 33,38	+30,750	−1,4765	−0,027	−9.2387	+0.1404	+1.4879	−9.2382
1860	6 33 39,77	30,589	1,7222	0,027	9.3080	0.1379	1.4856	9.3075
1870	6 38 44,58	30,401	1,9604	0,027	9.3671	0.1349	1.4829	9.3666
1880	6 43 47,29	30,193	2,1889	0,027	9.4181	0.1316	1.4799	9.4176
1890	6 48 47,96	29,961	2,4063	0,027	9.4628	0.1279	1.4766	9.4622
1900	6 53 46,08	+29,707	−2,6113	−0,027	−9.5022	+0.1238	+1.4729	−9.5017

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No.	North Polar Distance, Jan. 1, 1850.	Annual Preces.	Sec. Var.	Proper Motion.	Logarithms of				Bradley.	Piazzi.	Taylor.	Lacaille.	Brisbane.	Various.
					a'	b'	c'	d'						
	° ′ ″	″	″	″										
8371	132 35 25,5	−20,06	−0,004	+0,90	−9.4971	+9.8304	−1.3022	−7.9017	....	....	.....	9720	....	B 630
8372	32 24 3,1	20,06	0,003	−0,01	9.3771	−9.9265	1.3022	7.8379	3210	....	.....	....	....	B 67
8373	26 38 21,0	20,06	0,003	−0,01	9.3004	−9.9513	1.3022	7.7593	3211	275	iii.3000			
8374	61 48 22,0	20,06	0,002	+0,17	9.5854	−9.6744	1.3022	7.7051	3212	276	iii.3001	....	....	A 559
8375	129 42 49,5	20,06	0,002	+0,08	9.5208	+9.8055	1.3022	7.5117	....	....	v.3451	9725	7379	
8376	131 18 24,8	20,06	0,001	.....	9.5122	+9.8196	1.3022	7.0783	....	....	.....	....	....	R 631
8377	147 40 6,5	−20,06	−0,001	−0,54	−9.3640	+9.9268	−1.3022	−7.0140	....	....	v.3453	9730	7381	R 632

(HERE ENDS THE CATALOGUE.)

Tables of the North Polar Distance, &c. of certain Stars, in the previous Catalogue, near the Pole, for each 10th year from 1850 to 1900.

No. 360.

Year.	North Polar Distance, Jan. 1.	Annual Precession.	Sec. Var.	Proper Motion.	Logarithms of			
					a'	b'	c'	d'
	° ′ ″	″	″	″				
1850	1 29 25,0	−19,25	+0,713	−0,02	+9.4289	−9.9821	−1.2845	+9.4470
1860	1 26 12,7	19,18	0,796	0,02	9.4496	9.9804	1.2828	9.4662
1870	1 23 1,0	19,09	0,893	0,02	9.4704	9.9785	1.2809	9.4858
1880	1 19 50,4	19,00	1,005	0,02	9.4916	9.9764	1.2787	9.5057
1890	1 16 40,7	18,89	1,136	0,02	9.5132	9.9739	1.2762	9.5261
1900	1 13 32,2	−18,77	+1,289	−0,02	+9.5352	−9.9711	−1.2734	+9.5469

No. 2157.

Year.	North Polar Distance, Jan. 1.	Annual Precession.	Sec. Var.	Proper Motion.	Logarithms of			
					a'	b'	c'	d'
	° ′ ″	″	″	″				
1850	2 44 38,4	+2,50	+4,450	+0,08	+9.9869	+9.0944	+0.3971	+9.9966
1860	2 45 6,3	2,94	4,413	0,08	9.9856	9.1649	0.4676	9.9953
1870	2 45 38,7	3,37	4,370	0,08	9.9839	9.2254	0.5282	9.9938
1880	2 46 15,4	3,81	4,323	0,08	9.9821	9.2780	0.5807	9.9920
1890	2 46 56,5	4,24	4,271	0,08	9.9801	9.3244	0.6272	9.9901
1900	2 47 41,8	+4,66	+4,214	+0,08	+9.9779	+9.3658	+0.6686	+9.9879

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Tables of the Right Ascension, &c. of certain Stars, in the previous Catalogue, near the Pole, for each 10th year from 1850 to 1900 (*continued*).

σ Octantis,

Year.	Right Ascension, Jan. 1.	Annual Precession.	Sec. Var.	Proper Motion.	Logarithms of			
					a	*b*	*c*	*d*
	h m s	s	s	s				
1850	17 30 4,09	+107,504	+21,1441	.....	−9.8351	−0.7167	+2.0314	+9.8351
1860	17 48 7,39	108,991	+ 8,5867	.....	−9.4377	0.7228	2.0374	+9.4377
1870	18 6 19,74	109,213	− 4,5920	.....	+9.1650	0.7237	2.0383	−9.1649
1880	18 24 27,00	108,085	−17,4292	.....	+9.7488	0.7191	2.0338	−9.7488
1890	18 42 17,47	105,752	−29,0527	.....	+9.9803	0.7093	2.0243	−9.9803
1900	18 59 38,55	+102,355	−38,7690	.....	+0.1200	−0.6947	+2.0101	−0.1200

δ Ursæ Minoris,

Year.	Right Ascension, Jan. 1.	Annual Precession.	Sec. Var.	Proper Motion.	Logarithms of			
					a	*b*	*c*	*d*
	h m s	s	s	s				
1850	18 20 43,59	−19,323	−0,6157	+0,030	+9.0062	−0.0487	−1.2861	+9.0054
1860	18 17 30,43	19,380	0,5237	0,030	8.9337	0.0498	1.2874	8.9329
1870	18 14 16,63	19,428	0,4287	0,030	8.8457	0.0507	1.2884	8.8450
1880	18 11 2,53	19,467	0,3325	0,030	8.7347	0.0514	1.2893	8.7339
1890	18 7 47,95	19,496	0,2354	0,030	8.5840	0.0520	1.2900	8.5833
1900	18 4 33,26	−19,514	−0,1377	+0,030	+8.3507	−0.0524	−1.2903	+8.3499

Ursæ Minoris,

Year.	Right Ascension, Jan. 1.	Annual Precession.	Sec. Var.	Proper Motion.	Logarithms of			
					a	*b*	*c*	*d*
	h m s	s	s	s				
1850	20 13 1,03	−53,142	−29,3200	−0,042	+0.2644	−0.4477	−1.7254	+0.2643
1860	20 3 54,57	56,106	29,7890	0,042	0.2484	0.4700	1.7490	0.2483
1870	19 54 18,05	59,101	29,8677	0,042	0.2276	0.4914	1.7716	0.2275
1880	19 44 12,09	62,070	29,4614	0,042	0.2009	0.5117	1.7929	0.2008
1890	19 33 36,31	64,976	28,4920	0,042	0.1669	0.5307	1.8128	0.1668
1900	19 22 32,47	−67,765	−26,8908	−0,042	+0.1240	−0.5481	−1.8310	+0.1239

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Tables of the North Polar Distance, &c. of certain Stars, in the previous Catalogue, near the Pole, for each 10th year from 1850 to 1900 (*continued*).

No. 5959.

Year.	North Polar Distance, Jan. 1.	Annual Precession.	Sec. Var.	Proper Motion.	Logarithms of			
					a'	b'	c'	d'
	° ′ ″	″	″	″				
1850	179 16 21,9	+2,61	−15,545	.....	+9.9938	−9.1147	+0.4169	−9.9963
1860	179 16 40,2	+1,04	15,874	.....	9.9970	−8.7143	+0.0165	9.9994
1870	179 16 42,6	−0,55	15,922	.....	9.9974	+8.4411	−9.7433	9.9998
1880	179 16 29,2	−2,14	15,673	.....	9.9951	+9.0272	−0.3295	9.9975
1890	179 16 0,0	−3,68	15,161	.....	9.9900	+9.2636	−0.5658	9.9926
1900	179 15 15,8	−5,16	−14,425	.....	+9.9825	+9.4104	−0.7127	−9.9851

No. 6281.

Year.	North Polar Distance, Jan. 1.	Annual Precession.	Sec. Var.	Proper Motion.	Logarithms of			
					a'	b'	c'	d'
	° ′ ″	″	″	″				
1850	3 24 9,9	−1,81	+2,807	−0,02	−0.0086	−8.9550	−0.2580	−9.9982
1860	3 23 53,0	1,53	2,818	0,02	0.0090	8.8818	0.1848	9.9987
1870	3 23 38,9	1,25	2,828	0,02	0.0095	8.7934	0.0964	9.9992
1880	3 23 27,7	0,97	2,836	0,02	0.0098	8.6820	9.9849	9.9995
1890	3 23 19,2	0,68	2,842	0,02	0.0101	8.5310	9.8340	9.9998
1900	3 23 13,7	−0,40	+2,845	−0,02	−0.0101	−8.2975	−9.6004	−9.9999

No. 6999.

Year.	North Polar Distance, Jan. 1.	Annual Precession.	Sec. Var.	Proper Motion.	Logarithms of			
					a'	b'	c'	d'
	° ′ ″	″	″	″				
1850	1 8 21,9	−11,00	+6,481	−0,02	−9.9267	−9.7390	−1.0413	−9.9223
1860	1 6 35,1	10,32	7,016	0,02	9.9373	9.7115	1.0138	9.9332
1870	1 4 55,2	9,59	7,569	0,02	9.9475	9.6796	0.9819	9.9436
1880	1 3 23,0	8,81	8,133	0,02	9.9573	9.6426	0.9448	9.9535
1890	1 1 58,9	7,97	8,697	0,02	9.9663	9.5989	0.9012	9.9627
1900	1 0 43,5	− 7,07	+9,249	−0,02	−9.9747	−9.5470	−0.8493	−9.9712

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NOTES

TO THE

CATALOGUE OF 8377 STARS

OF

THE BRITISH ASSOCIATION.

No. 9. Taylor's N.P.D. was corrected for the error of 10° before the comparison was made.

15. The position of this star has been deduced from Lacaille by precession alone, there being no modern observation. [S.]

18. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel.

25. Taylor's N.P.D. is adopted in the computation. It differs 10″ from that of Brisbane.

27. Piazzi considers this star to be only of the $7\frac{1}{2}$ magnitude, and Taylor as low as 8.

28. Groombridge's N.P.D. (which differs 7″ from Taylor's) is adopted for the modern comparison.

30. The mean N.P.D. of Brisbane and Taylor (although differing more than 12″) is taken for the modern comparison. Taylor considers it of the 8th magnitude only.

37. Brisbane's N.P.D. (which differs nearly 7″ from Taylor's) is adopted for the modern comparison.

39. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.

40. The $\mathcal{R}$ of this star is brought up by precession from Lacaille's catalogue, as there is no modern observation of it in $\mathcal{R}$.

42. The position of this star was observed by Flamsteed (B.F 4), and Argelander says (in *Ast. Nach.* 226) that two observations of it at Abo, gave its position for 1830 $\mathcal{R} = 0^h\ 7^m\ 13^s,95$, and $D = +3°\ 18'\ 23'',6$, from which the present position is deduced.

48. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

49. The mean N.P.D. of Brisbane and Taylor (although differing more than 9″) is taken for the modern comparison.

57. Taylor's N.P.D. is erroneous 8″, it is therefore rejected, and Airy (C) adopted for the modern comparison.

59. Brisbane's N.P.D. is assumed to be 10′ in error.

68. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel.

69. The magnitude of this star by different observers varies from $5\frac{1}{2}$ to $7\frac{1}{2}$.

71. Brisbane's $\mathcal{R}$ of this star appears to be 2^m too little, and as Lacaille's determination of the $\mathcal{R}$ of a star so near the pole cannot be depended upon, the $\mathcal{R}$ is here determined from Rumker and Maclear.

83. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.

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91. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
98. The position of this star is deduced from a comparison of Bradley's observation with that in the *Hist. Cél.*, page 200.
100. This star was observed by Flamsteed (B.F 22) and by Groombridge (65).
105. Bradley has no $\mathcal{R}$ of this star, and it here depends wholly on Airy (G), who has also been adopted as the modern comparison for the N.P.D.
113. The position of this star, which was observed by Flamsteed (B.F 30), is deduced wholly from the *Hist. Cél.*, page 118.
114. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.
120. The position of this star, which was observed by Flamsteed (B.F 34), is deduced from the *Hist. Cél.*, pages 349 and 389.
125. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel.
133. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel. The declination in the *Fund. Astron.* should be $+19^\circ\ 4'\ 40''{,}3$, as may be seen by comparing the observation made by Bradley on October 31, 1753, with other stars.
136. Brisbane's N.P.D. (which differs about 8″ from Taylor's) is adopted for the modern comparison.
144. The mean N.P.D. of Brisbane and Taylor (although differing nearly 8″) is taken for the modern comparison.
147. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.
149. The position of this star, which was observed by Flamsteed (B.F 40), is deduced from the *Hist. Cél.*, page 39.
157. Brisbane's observation for N.P.D. has been assumed, but it differs 2′ from Lacaille.
176. Brisbane's N.P.D. (which differs nearly 10″ from Rumker's) is adopted for the modern comparison.
177. The position of this star, which was observed by Flamsteed (B.F 57), is deduced from the *Hist. Cél.*, page 127.
181. Bradley has no N.P.D., and it here depends wholly on Groombridge (124) and Bessel (6).
182. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel.
184. The position of this star, which was not observed by Bradley or Piazzi, is deduced from the *Hist. Cél.*, page 477.
193. The position of this star has been deduced from Lacaille by precession alone, there being no modern observation. [S.]
195. This star was observed by Lacaille on August 6, 1751, at $0^h\ 30^m\ 28^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.
197. Bradley has no N.P.D., and it here depends solely on the *Hist. Cél.*, page 305.
224. The position of this star, which was observed by Flamsteed (B.F 81), is deduced from the *Hist. Cél.*, page 573.
228. Bradley has no $\mathcal{R}$ of this star, which has been deduced wholly from Airy (G), who has also furnished the modern comparison for N.P.D.
237. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Mayer (23) with modern observations.
239. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
240. The $\mathcal{R}$ of this star has been reduced from Bradley to Taylor by Bessel's formula, and the proper motion thence obtained. With Taylor's $\mathcal{R}$ and this proper motion, the present $\mathcal{R}$ has been deduced.
244. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
246. This is a double star, and the mean of Brisbane's observations has been taken.
251. Brisbane has three, and Rumker two observations of this star, yet they differ nearly 10″ in N.P.D. The mean of the two is adopted for the modern comparison.

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256. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. Flamsteed says that it has a companion to the south, which is probably 263 of this catalogue.

259. Argelander thinks that the $\mathcal{R}$ of this star in the *Fund. Astron.*, page 142, should be $10^{\circ}\ 48'\ 31'',7$. If so, the $\mathcal{R}$ in the present catalogue should be $0^{h}\ 48^{m}\ 26^{s},93$.

263. The position of this star is deduced from the *Hist. Cél.*, page 27. It is probably the star mentioned by Flamsteed in his observation of 67 *Piscium*, on December 21, 1689, at $5^{h}\ 50^{m}\ 49^{s}$. See the note to 256 of this catalogue.

274. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer (30) with modern observations.

281. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

287. The mean N.P.D. of Brisbane and Rumker (although they differ 6″) is taken for the modern comparison.

290. Bradley has no N.P.D., and it here depends solely on Bessel.

296. The mean N.P.D. of Brisbane and Taylor (although differing above 7″) is taken for the modern comparison.

298. Bradley has no N.P.D., and it here depends solely on Bessel.

299. The position of this star is deduced from the observation in the *Hist. Cél.*, page 573.

300. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.

304. The position of this star has been deduced from Lacaille by precession alone, there being no modern observation. [S.]

312. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

314. Bessel has compared the position of this star with an observation made by Tycho Brahé in 1573, and finds a confirmation of its great proper motion. It is Groombridge 237 and Argelander 23.

320. This star is placed by Hevelius in *Cepheus*. It is Groombridge 242.

335. Bradley has no N.P.D. of this star, which is therefore deduced from Airy (G), who has also supplied the comparison in $\mathcal{R}$.

336. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

357. This star was observed by Flamsteed (B.F 136), and the position is here deduced from the *Hist. Cél.*, page 350.

358. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

359. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

363. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

369. This is the companion to the preceding star, and was observed also by Mayer (40).

371. The position of this star is here deduced from the *Hist. Cél.*, page 247.

373. Mayer 41 will agree with this star, if we suppose an error in his observations (see B.M 41).

375. The position of this star is here deduced from the *Hist. Cél.*, page 250.

376. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel.

378. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.

379. The position of this star has been deduced from Argelander (34) by precession alone. [S.]

382. The position of this star has been deduced from Groombridge (280) by precession alone. [S.]

385. Brisbane's N.P.D. is assumed to be 1′ in error.

393. Bradley has no N.P.D., and it here depends solely on Groombridge.

403. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel.

430. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

431. Bradley's Declination in the *Fund. Astron.* should be $+17^{\circ}\ 57'\ 43'',7$.

433. Bradley has no N.P.D., and it here depends solely on Taylor.

443. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

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444. This star was observed also by Groombridge (325).

446. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

449. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

451. Bradley has no $\mathcal{R}$, and it here depends wholly on modern observations, that is, Bessel is considered as the old, and the mean of Airy, Wrottesley and Taylor, as the modern authority.

455. Bradley has no N.P.D., and it here depends solely on the *Hist. Cél.*, page 192.

456. Airy (G) is here adopted for the modern comparison in $\mathcal{R}$.

457. Bradley has no N.P.D., and it here depends solely on Bessel.

458. The mean N.P.D. of Brisbane and Taylor is here assumed; to the exclusion of Rumker.

459. The position of this star, which was observed by Flamsteed (B.F 182), is deduced from the *Hist. Cél.*, page 204.

468. The mean N.P.D. of Groombridge and Taylor (which differ 7″) is here adopted for the comparison with Bradley.

472. The position of this star is here deduced wholly from Argelander (41).

473. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

474. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

482. The approximate position of this star is deduced from Argelander's *Uranometria Nova.*

490. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

494. The $\mathcal{R}$ of this star has been first reduced from Groombridge, by Bessel's formula, to Pond, and the proper motion thence deduced. With Pond's $\mathcal{R}$ and this proper motion, the present $\mathcal{R}$ has been obtained by Bessel's formula.

510. This star was also observed by Flamsteed (B.F 199), by Groombridge (364), and by Argelander (44).

512. The $\mathcal{R}$ of this star is brought up by precession from Lacaille's catalogue, as there is no modern observation of it in $\mathcal{R}$.

514. The modern comparison of this star is from the *Hist. Cél.*, page 124. It is the star which Bradley took for Flamsteed's 1 *Trianguli*, but which was not observed by Piazzi.

515. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

516. This star is in the *Hist. Cél.*, page 133, but the position is here deduced from Argelander (45).

524. This star is to be found in the *Hist. Cél.*, page 192, which has been compared with Zach for the present position. Zach designates it as 3 *Arietis*, but the position given by him is deduced from two different stars. See the note in page 73.

525. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel.

526. Taylor, in vol. v., designates this star as $7\frac{1}{2}$ magnitude.

534. Rumker's annual precession in Declination is erroneous, and corresponds with a star 10° more to the south.

535. This star was observed by Flamsteed (B.F 203) and by Groombridge (376). Taylor's $\mathcal{R}$ is erroneous one year's precession.

537. Hevelius observed this star (B.H 1188), but he has stated the latitude to be north instead of south. When this is corrected the $\mathcal{R} = 21^\circ\ 54'\ 35''$ and the Dec. $= +\ 7^\circ\ 28'\ 33''$, and the star (B.H 1187) will be Flamsteed's 102 *Piscium* π.

538. Piazzi says that this star is lost, but it has been seen by Bradley, Lalande, Bessel, Argelander, and Airy. It is probably a variable star. The star which Zach calls 3 *Arietis* is not the star so designated by Flamsteed. The declination corresponds with it, but the $\mathcal{R}$ is that which belongs to the star observed by Lalande in *Hist. Cél.*, page 192, at $1^h\ 31^m\ 3^s$. It would therefore appear that the star observed by Zach, at Seeberg, for the $\mathcal{R}$, was not the same star as that observed at Manheim for the declination. See the note in page 73, and also to No. 524 of this catalogue.

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545. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.
547. The approximate position of this star was taken from Argelander's *Uranometria Nova*.
549. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
562. Bradley has no N.P.D., and it here depends solely on the star in *Hist. Cél.*, page 310. The precession in $\mathcal{R}$ for 1755 in the *Fund. Astron.* should be $55'',990$.
566. This is a nebulous star, and two stars of the 8th magnitude precede it to the south.
570. Taylor's N.P.D. (which differs nearly $7''$ from Brisbane's) is adopted for the modern comparison. They each made four observations of the star.
573. Bessel states that thirty observations of these two stars by Christian Mayer, reduced to 1778, show that the southern star preceded the other $3''$, and that the difference of declination was $11'',8$. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Mayer with modern observations. It is 58 in Pond's catalogue.
575. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.
579. Bessel says that the two observations of Bradley, in $\mathcal{R}$, differ $14'',7$, and Argelander thinks that $1^s,0$ ought to be deducted from one of them. Bradley's $\mathcal{R}$ is therefore assumed $= 25^\circ\ 22'\ 35'',0$. Bradley's observations will be found under the dates of January 25 and December 18, 1754.
583. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.
584. The position of this star has been deduced from Lacaille by precession alone, there being no modern observation. [S.]
588. The position of this star is deduced wholly from Airy (G).
598. Piazzi says that he could not find this star. It is probably variable. Bradley has no $\mathcal{R}$, and it here depends wholly on modern observations, that is, Bessel is taken as the old and Airy (G) as the modern authority.
599. The position of this star has been deduced from Lacaille by precession alone, there being no modern observation. [S.]
602. The position of this star has been deduced from Lacaille by precession alone, there being no modern observation. [S.]
604. Taylor considers this to be a variable star.
609. This star was also observed by Mayer (68).
613. Taylor's N.P.D. (which differs upwards of $7''$ from Brisbane's) is adopted for the modern comparison.
614. Either this star or Piazzi 256 was the star observed by Hevelius.
620. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel.
626. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel.
636. The approximate position of this star is deduced from Argelander's *Uranometria Nova*.
637. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
642. This star was observed by Lacaille on October 21, 1751, at $1^h\ 49^m\ 58^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.
645. Bradley has no N.P.D., and it here depends solely on Taylor.
647. Bessel says that if we exclude the last of Bradley's three observations in $\mathcal{R}$, which is discordant with the two others, the $\mathcal{R}$ in his catalogue would be $28^\circ\ 14'\ 56'',6$. Were this adopted, the value in the present catalogue would be altered.
651. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.
652. Brisbane has no observation of this star in $\mathcal{R}$, it is therefore brought up by precession from Lacaille.
653. Piazzi considers this to be the star observed by Hevelius (B.H 1147), but I have assumed that star to be No. 614 of this catalogue.

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654. This star is said to be in *Nubecula Minor* by Lacaille, but it is a long way from the cluster of stars usually designated by that appellation.

659. The mean N.P.D. of Brisbane and Taylor (although differing about 6″) is taken for the modern comparison.

662. Bradley has no N.P.D., and it here depends solely on Groombridge. It is the companion of the preceding star.

668. Airy (G) is here adopted for the modern comparison. It was also observed by Groombridge (464).

681. Brisbane has four and Taylor three observations of this star, yet their N.P.D. differ nearly 6″. The mean of the two is taken for the modern comparison.

685. Bessel remarks that Bradley's two observations differ 9″,6 from each other. And Argelander (65) says that if the latter of them be increased 1ˢ.0 (=15″.0) the results would agree much better with modern observations. In this case Bradley's Æ would be 30° 4′ 25″, and the Æ in the present catalogue somewhat different. It is a double star, and the 2nd of the two is the one here noted.

686. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

694. Bradley has no N.P.D., and it here depends solely on Bessel (18).

700. Bradley has no Æ, and it is here deduced from a comparison of Piazzi with modern observations. It is Groombridge 488, and is probably the star which Flamsteed designates as 61 *Andromedæ*.

701. This star was probably also observed by Flamsteed (B.F 279). See my note to this star in the British catalogue.

702. Bradley has no N.P.D., and it is here deduced wholly from Airy (G).

709. This is another of the stars stated to be in *Nubecula Minor* by Lacaille, although it is still further than 654 of this catalogue from the cluster of stars usually designated by that name.

718. Bradley has no N.P.D., and it is here deduced wholly from Airy (G).

719. The approximate position of this nebulous star is deduced from Argelander's *Uranometria Nova*, who designates it as χ *Persei*, which I have applied to 7 *Persei* (696 of this catalogue).

720. Fabricius first observed this star in 1596, it varies from 0 to 4th magnitude. In the same parallel, and following it about 5ˢ, there is another star scarcely visible, but very conspicuous when the preceding one cannot be seen.

721. The N.P.D. of Pond (73) is here adopted for the modern comparison.

723. Taylor's N.P.D. (which differs nearly 10″ from Brisbane's) is adopted for the modern comparison.

725. Bradley has no N.P.D. of this star, and it is wholly deduced from Airy (G).

727. This star was also observed by Groombridge (503). [S.]

728. The position of this star is deduced from the star in the *Hist. Cél.*, page 41.

738. Bradley has no N.P.D., it here depends solely on the star in the *Hist. Cél.*, page 41.

740. Piazzi considers this star to be of the 8th magnitude only; it was observed by Groombridge (506), who says it is of the 6th magnitude: it was observed likewise by Pond (74).

744. This star was observed also by Flamsteed (B.F 292), by Pond (75), and by Groombridge (511).

749. Groombridge's N.P.D. (which differs 8″ from Taylor's) is here adopted for the modern comparison.

755. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

762. Brisbane's N.P.D. (which differs above 6″ from Taylor's) is adopted for the modern comparison.

764. The position of this star is deduced from the star in *Hist. Cél.*, page 41.

776. The position of this star is here wholly deduced from the star in the *Hist. Cél.*, page 47.

777. This star was also observed by Flamsteed (B.F 306), by Groombridge (524), and by Pond (78). The mean Æ of Pond and Taylor (which differ 0ˢ,54) is adopted for the modern comparison.

784. Bradley has no N.P.D., and it here depends solely on Groombridge.

786. Argelander has considered this star to be of the 5th magnitude, whilst Bradley and Piazzi reckon it as of the 8th.

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792. Bradley's two observations in $\mathcal{R}$ differ 7″,7.

796. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observation. It is double, and the next following star is its companion.

804. The position of this star has been deduced from Lacaille by precession alone, there being no modern observation. [S.]

809. Brisbane's N.P.D. (which differs nearly 10″ from Taylor's) is adopted for the modern comparison.

821. Groombridge's N.P.D. (which differs above 6″ from Taylor's) is here adopted for the modern comparison.

822. The approximate position of this star is taken from Argelander's *Uranometria Nova*.

824. The N.P.D. is here brought up by precession alone from Lacaille, as Brisbane differs 10′ therefrom.

826. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

830. This is Flamsteed's 85 *Ceti*.

834. The position of this star, which was observed by Flamsteed (B.F 339), is deduced from the star in *Hist. Cél.*, page 30.

836. The modern comparison is taken from Airy (G).

839. The mean N.P.D. of Taylor and Brisbane (although differing nearly 6″) is adopted for the modern comparison.

845. This is Flamsteed's 87 *Ceti* μ. See Preface, page 60.

848. This star was observed by Lacaille on Aug. 6, 1751, at $2^h\ 32^m\ 17^s$. It is not in any modern catalogue.

855. Taylor's N.P.D. (which differs nearly 7″ from Brisbane's) is adopted for the modern comparison.

857. The position of this star is deduced wholly from Groombridge (554).

858. The position of this star is deduced wholly from Groombridge (556).

859. The modern comparison is taken from Airy (G).

880. Brisbane's N.P.D. (which differs 8″ from Taylor's) is adopted for the modern comparison.

891. Bradley has no N.P.D., and it here depends solely on Bessel (19).

896. This star was observed also by Groombridge (577).

918. This star was observed also by Groombridge (591).

920. Bradley has no N.P.D., and it here depends solely on Taylor.

925. There is no modern observation of this star, and its position is therefore brought up by precession alone from Lacaille's catalogue. It was observed by him on Aug. 16, 1751.

931. This star was observed by Lacaille on Aug. 16, 1751, at $2^h\ 47^m\ 34^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

932. This star is not 24 *Persei*, as supposed by Piazzi and Bessel. See Baily's 'Flamsteed,' page 523.

933. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

935. This star was observed by Lacaille on Aug. 16, 1751, at $2^h\ 44^m\ 34^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

936. This star is the double star 336 in Struve's great catalogue. Argelander, in *Ast. Nach.* 226, says that two observations of it at Abo give its position for 1830 $\mathcal{R} = 2^h\ 51^m\ 7^s,43$, Dec. $= +31°\ 44'\ 3'',2$, from which the present position is deduced.

942. The mean N.P.D. of Brisbane and Taylor (although differing 6″) is taken for the modern comparison.

944. Taylor's N.P.D. (which differs 9″ from Brisbane's) is adopted for the modern comparison.

945. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

948. This star was observed also by Flamsteed (B.F 378), by Groombridge (601), and by Pond (99).

952. Bradley's precession in $\mathcal{R}$ for 1800, in the *Fund. Astron.*, should be 43″,967.

954. This star, as given in Lacaille's old catalogue of 1942 stars, does not exist. It was observed by him on Dec. 1, 1751, at $2^h\ 48^m\ 39^s$, and it is stated to have entered *In parte superiori*; but if we sup-

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pose it to have entered *In parte inferiori*, it will agree with Piazzi (249) and Brisbane (460), which, with the other observers, are the authorities for the position here given.

955. This star was observed also by Flamsteed (B.F 370), and by Groombridge (602); Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

960. The $\mathcal{R}$ of this star has been first reduced from Bradley to Groombridge (595) by Bessel's formula, and afterwards carried on from Groombridge to the present epoch by the same formula.

962. This star was observed also by Flamsteed (B.F 391), by Groombridge (631), by Pond (105), and by Argelander (81). It is the correct ι of Bayer.—See the note to 1011 of this catalogue.

963. Piazzi says that the magnitude of this star varies from 2 to 3 in the period of 2 days and 20 hours. It is Groombridge (615) and Pond (106).

965. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (20).

976. This star was observed by Mayer (98).

977. There may be some doubt whether this is B.F 405. It was observed by Mayer (99) and by Argelander (83).

979. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. The mean of Pond (108), Groombridge (616), and Taylor has been here adopted.

980. Bradley has no N.P.D., and it here depends solely on Taylor. Bradley's $\mathcal{R}$ should be $43^\circ\ 59'\ 26'',3$. It was observed by him on Dec. 31, 1753.

985. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (21).

988. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.

990. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

1001. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. The mean $\mathcal{R}$ of Groombridge (634) and Taylor (which corresponds with Piazzi) is here adopted. Airy's $\mathcal{R}$ in the Greenwich observations for 1836 exceeds this by $1^s,0$.

1010. The two observations in $\mathcal{R}$ by Bradley differ $14'',7$, and Argelander thinks that the latter ought to be increased by that quantity. Bradley's $\mathcal{R}$ is therefore assumed $= 45^\circ\ 54'\ 31'',2$. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Argelander (86), and other modern observers. Bradley's two observations were made on January 13 and 22, 1755.

1011. In the note to this star in the British catalogue (B.F 410), I have erroneously designated this star as Bayer's ι, which properly belongs to 962 of the present catalogue.

1014. The mean N.P.D. of Taylor and Brisbane (although differing nearly $7''$) is taken for the modern comparison.

1018. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge (641), who makes the magnitude 7, whereas Bradley states it to be 9.

1038. This star was observed by Lacaille on September 24, 1751, at $3^h\ 12^m\ 42^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

1044. The position of this star is deduced from a comparison of Piazzi with Johnson (62) and Taylor.

1050. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge (651), who calls it of the 7th magnitude, although Bradley states it to be of the 9th.

1055. Bradley has no N.P.D., and it here depends solely on the observation in *Hist. Cél.*, page 36.

1058. This star was observed also by Groombridge (662) and Pond (116).

1059. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Groombridge (668) and Taylor.

1061. The $\mathcal{R}$ of this star is brought up by Bessel's formula.

1062. This star was observed also by Groombridge (671) and Pond (118).

1065. This star was observed also by Groombridge (678).

1067. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge (669).

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1080. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge (684).

1081. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Groombridge (694) and Taylor.

1088. This star was observed by Lacaille on November 7, 1751, with the rhomboidal micrometer, at $3^h\ 19^m\ 40^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

1097. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor. It is not Flamsteed's 38 *Persei*.—See Baily's 'Flamsteed,' page 526.

1101. Bradley has no N.P.D., and it here depends solely on the observation in *Hist. Cél.*, page 312.

1110. Bradley's two observations in $\mathcal{R}$ differ 20″,0. Argelander (91) thinks that the first ought to be increased $1^s,0=(15'',0)$, which would make the $\mathcal{R}$ in Bradley's catalogue $= 51°\ 3'\ 32'',2$, and the $\mathcal{R}$ in the present catalogue somewhat different.

1116. This star was observed by Lacaille on September 24, 1751, with the rhomboidal micrometer, at $3^h\ 12^m\ 42^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

1130. Taylor's N.P.D. (which differs nearly 7″ from Brisbane's) is adopted for the modern comparison.

1132. See my note to this star in the British catalogue (B.F 449). It was probably observed by Hevelius (B.H 1151).

1133. This star was observed also by Groombridge (723) and Airy (G).

1137. This star was observed also by Groombridge (724). Argelander, in his *Uranometria Nova*, considers it to be of the $4\frac{1}{2}$ magnitude, and I have therefore affixed the letter γ to it.

1138. See my note to this star in the British catalogue (B.F 454). It was also observed by Pond (129).

1144. This star was also observed by Groombridge (726).

1148. The mean N.P.D. of Pond (133), Argelander (95), Airy (C), Taylor, and Johnson (68) is adopted for the modern comparison. The proper motion in Dec. has in the Astronomical Society's catalogue been inadvertently applied with a wrong sign.

1149. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

1164. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

1171. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

1173. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

1182. This star is compared with Bessel's observation in *Ast. Nach.*, vol. xviii. page 355.

1187. Taylor has no N.P.D., it is therefore deduced from a comparison of Piazzi and Bessel in *Ast. Nach.*, N°. 387.

1193. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (22).

1194. Brisbane's N.P.D. (which differs nearly 7″ from Taylor's) is adopted for the modern comparison.

1200. Brisbane has no $\mathcal{R}$, and it is therefore here brought up by precession alone from Lacaille.

1203. This star was observed also by Groombridge (753).

1204. This star was observed also by Groombridge (754).

1205. Bradley has no $\mathcal{R}$, and it here depends solely on the observation in *Hist. Cél.*, page 250.

1208. The mean N.P.D. of Brisbane and Taylor (although differing nearly 8″) is taken for the modern comparison.

1209. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

1210. This star was observed also by Groombridge (759).

1211. This star was observed also by Groombridge (746), and by Taylor (iii. 379).

1215. This star was observed by Lacaille on September 14, 1751, with the rhomboidal micrometer at $3^h\ 44^m\ 26^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

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1223. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

1227. The mean N.P.D. of Taylor and Brisbane is taken for the modern comparison, although they differ nearly 8″.

1235. The $\mathcal{R}$ of this star has been first reduced from Groombridge (750) to Pond (142) by Bessel's formula, and the proper motion thence deduced. With Pond's $\mathcal{R}$ and this proper motion the present $\mathcal{R}$ has been obtained by Bessel's formula.

1237. This star was observed also by Groombridge (772).

1242. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Argelander (99) and Taylor. Bradley and Piazzi call this star 34 *Tauri*, but the star so designated by Flamsteed was the planet *Uranus*.

1247. The $\mathcal{R}$ of this star has been first reduced from Groombridge (766) to Pond (146) by Bessel's formula, and the proper motion thence deduced. With Pond's $\mathcal{R}$ and this proper motion the present $\mathcal{R}$ has been obtained by Bessel's formula.

1248. This star was observed by Lacaille on December 9, 1751, with the rhomboidal micrometer at $3^h\ 50^m\ 34^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

1267. This star was observed by Lacaille on November 14, 1751, with the rhomboidal micrometer at $3^h\ 56^m\ 0^s$, and is here called by him "Medium è densissimo stellularum fasciculo." It is not in any modern catalogue, and its position is therefore brought up by precession alone.

1282. The position of this star is deduced from Argelander's observations in *Ast. Nach.*, N°. 226.

1283. The mean N.P.D. of Taylor and Brisbane is adopted for the modern comparison, although differing nearly 7″.

1286. This star was observed also by Groombridge (789).

1289. Taylor's declination is erroneous 1′.

1293. This star was observed also by Flamsteed (B.F 512) and by Groombridge (797).

1295. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

1300. This star was observed also by Groombridge (800).

1301. This star was observed also by Flamsteed (B.F 515), by Groombridge (802), and by Pond (157). It is noted by Bayer.

1307. The position of this star is here deduced wholly from Groombridge (803). It is not in any other modern catalogue.

1309. This star was observed by Pond (160) and by Argelander (103). In my notes to the British catalogue I have considered this star (in common with Flamsteed and the more modern astronomers) as that which is denoted by *d* in Bayer's map. But it is one of the two stars there designated by the Greek letter o, and the contiguous star which he has marked with the letter *d* does not appear in any catalogue.

1313. This star was observed also by Groombridge (808).

1314. This star was observed also by Groombridge (809), from which the present position is wholly deduced.

1318. The position of this star is here deduced wholly from Airy (G).

1319. The $\mathcal{R}$ of this star is brought up by precession from Lacaille's catalogue, as there is no modern observation in $\mathcal{R}$.

1323. The N.P.D. in Groombridge (817) should be 43° 58′ 6″,9.

1329. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

1333. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. Bessel says that the two observations of Bradley in $\mathcal{R}$ differ 8″,8.

1334. The position of this star has been deduced from Lacaille by precession alone, there being no modern observation.

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1345. The mean N.P.D. of Taylor and Brisbane is adopted for the modern comparison, although differing above 7″.

1347. The modern comparison for this star is taken from Airy (G). Bradley has no N.P.D.

1351. The position of this star is here wholly deduced from the observation in *Hist. Cél.*, page 193.

1357. Bradley's precession in Æ for 1800 in the *Fund. Astron.* should be 48″,841.

1361. The position of this star is here deduced wholly from Argelander (105).

1380. This star has been also observed by Argelander (106), Airy (C), and Pond (174). Argelander states that he has recomputed the eleven observations of Bradley in Æ, and that the position for 1755 is 63° 39′ 9″,8.

1381. This star has been also observed by Argelander (107), Airy (C), and Pond (175). Argelander states that he has recomputed the eleven observations of Bradley, and that the position for 1755 is 63° 40′ 34″,0.

1391. Bradley has no Æ, and it is here deduced from a comparison of Mayer (160) with modern observations. It was also observed by Pond (99) and Airy (C), as well as by Taylor (ii. 516).

1394. This star is Mayer (162).

1397. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi and Groombridge (839) with Taylor.

1406. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

1412. This star was observed by Lacaille on December 16, 1751, with the rhomboidal micrometer at $4^h\ 20^m\ 29^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

1415. This star was not observed by Hevelius, as erroneously stated in Groombridge's catalogue. The mistake has arisen from an error in Flamsteed's edition of Hevelius. See my note to B.H 269.

1422. The mean N.P.D. of Taylor and Brisbane is adopted for the modern comparison, although they differ 10″.

1423. Taylor's N.P.D. (which differs above 7″ from Brisbane) is adopted for the modern comparison.

1427. Bradley has no N.P.D., and it here depends solely on the observation in *Hist. Cél.*, page 574.

1434. Bradley's four observations of this star in Æ do not well accord.

1443. This star was also observed by Flamsteed (B.F 600).

1445. Bradley's four observations of this star in declination do not well accord. They were all made *sub polo*.

1459. Bradley has no Æ, and it here depends solely on Bessel (23). Bradley's declination should be +55° 7′ 55″,9. He observed it below the pole on July 7, 1753.

1463. Bradley has no N.P.D., and it here depends solely on the star in *Hist. Cél.*, page 196.

1474. This star was observed also by Groombridge (880), by Pond (188), and by Airy (G). I have considered it as Flamsteed's 9 *Camelopardi*. See my note to that star in the British catalogue (B.F 596). I have here designated it by the letter α.

1478. This star was observed also by Argelander (110).

1482. Taylor's N.P.D. (which differs 9″ from Brisbane's) has been adopted for the modern comparison.

1485. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

1490. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

1491. Bradley's five observations in Æ do not accord. Bessel has added 5^s to the second of them, but it is then erroneous 1^m of time.

1501. Bradley's two observations in Æ differ 7″,6.

1502. This star is designated by Lacaille as being in *Nubecula Major*, but it is not situate within the cluster that goes under that name.

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1518. The position of this star is deduced wholly from Argelander (115).

1520. Bradley's $\mathcal{R}$ should be 70° 16′ 12″,1. His three observations were made on Jan. 3, 1754, Jan. 24, 1755, and Feb. 11, 1758.

1521. The mean N.P.D. of Brisbane and Taylor (although differing 10″) has been adopted for the modern comparison.

1522. Bradley has no N.P.D., and it here depends wholly on modern observations.

1524. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Groombridge (901) and other modern observations.

1526. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

1527. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations. I have assumed it to be Flamsteed's 99 *Tauri*. See my note to that star in the British catalogue (B.F 632).

1531. Taylor's N.P.D. is presumed to be 9′ in error.

1533. Brisbane's N.P.D. (which differs 9″ from Taylor's) has been adopted for the modern comparison.

1549. This star was also observed by Groombridge (911).

1561. Brisbane's N.P.D. (which differs above 6″ from Taylor's) has been adopted for the modern comparison.

1564. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.

1565. This star was observed also by Groombridge (919).

1567. The position of this star is here deduced wholly from Groombridge (927).

1569. The mean N.P.D. of Brisbane and Taylor (although differing 8″) is taken for the modern comparison.

1572. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. See my note to this star in the British catalogue.

1583. Bradley's declination should be +62° 21′ 1″,2.

1592. Bradley has no N.P.D., and it here depends solely on the observation in *Hist. Cél.*, page 465.

1603. The mean N.P.D. of Brisbane and Taylor (although differing 7″) is taken for the modern comparison.

1609. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor. Bradley's three observations in $\mathcal{R}$ do not well accord, but if we exclude them altogether and deduce the $\mathcal{R}$ from a comparison of Piazzi, it would be $5^h\ 5^m\ 21^s,03$.

1610. There is a difference of $1^s,0$ in $\mathcal{R}$ in Taylor's two catalogues, vol. iii. 541, and vol. iv. 372. The latter is assumed as the correct one.

1615. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.

1616. Taylor's $\mathcal{R}$ is adopted for the modern comparison. Pond's $\mathcal{R}$ exceeds it by $1^s,26$.

1618. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. Pond and Taylor have marked this star of the 4th magnitude.

1624. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor and Wrottesley.

1626. Bradley has no N.P.D., and it here depends solely on the star in *Hist. Cél.*, page 138.

1632. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor. This star is erroneously called 18 *Aurigæ* by Piazzi, which in fact belongs to No. 1633 of this catalogue.

1635. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

1642. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

1643. Bradley has no $\mathcal{R}$, and it here depends wholly on Airy (C), Taylor and Wrottesley.

1656. The approximate position of this star is here deduced from Argelander's *Uranometria Nova*.

1661. Taylor considers the magnitude of this star to be variable.

1662. The $\mathcal{R}$ of this star is here brought up by Bessel's formula.

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1664. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.

1665. Bradley's precession in $\mathcal{R}$ for 1800 in the *Fund. Astron.* should be 47″,156.

1670. Wrottesley's $\mathcal{R}$ (which differs $0^s.53$ from Taylor's) is adopted for the modern comparison.

1677. The N.P.D. for the modern comparison is deduced from Brisbane alone, as it agrees better with Lacaille's observation, whereas Taylor differs above 1′.

1678. Bradley has no N.P.D., and it here depends solely on the observation in *Hist. Cél.*, page 49.

1683. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor. Bradley's two observations in $\mathcal{R}$ differ 14″,3.

1688. The mean N.P.D. of Brisbane and Taylor (although differing above 10″) is taken for the modern comparison.

1696. Bradley has no N.P.D., and it here depends solely on the observation in *Hist. Cél.*, page 256.

1698. Taylor's N.P.D. is presumed to be 2° in error.

1699. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

1703. Bradley has no N.P.D., and it here depends solely on Taylor.

1713. The mean N.P.D. of Brisbane and Taylor (although differing above 8″) is taken for the modern comparison.

1716. The observations of Piazzi and Taylor show that the suspicion of an error of 5^s,0 in the $\mathcal{R}$ of this star in Bradley's observations, as alluded to by Bessel, is well founded, and that the $\mathcal{R}$ in the *Fund. Astron.* should be 79° 18′ 29″,4, which is the value here assumed. The observation was made on Feb. 4, 1754.

1721. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

1727. Taylor considers this star to be variable.

1728. The position of this star is deduced from Bessel's observations in his Zones, No. 330, 338, and 340.

1735. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

1744. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

1747. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

1751. The position of this star is deduced from Wollaston (12) in his 5th zone.

1752. Bradley has no N.P.D., and it here depends solely on the observation in *Hist. Cél.*, page 264.

1756. This star was observed by Lacaille on Nov. 19, 1751, with the rhomboidal micrometer at $5^h\ 25^m\ 58^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

1761. The position of this star in $\mathcal{R}$ depends upon Airy (G) 1839, and in N.P.D. upon Airy (G) 1838. [S.]

1766. Taylor's N.P.D. is adopted for the modern comparison. The N.P.D. of Pond (246) differs from it nearly 13″. By comparing φ^1 and φ^2 *Orionis* at several periods, we have the following differences in N.P.D.

Bradley	1755=	9′ 58″,5
Piazzi.....	1800=	10 20,0
Pond	1800=	10 50,2
Taylor	1832=	10 33,0

1768. The $\mathcal{R}$ of Pond (248) is adopted for the modern comparison. Taylor's $\mathcal{R}$ is less by 0^s,71.

1769. Taylor's N.P.D. is rejected, as it appears to be erroneous about 16″.

1771. The N.P.D. for the modern comparison is deduced solely from Taylor, as Brisbane appears to be 10′ in error.

1772. This star is to be found in *Hist. Cél.*, page 143, but the position is here taken from the observations of Argelander in *Ast. Nach.*, N°. 226.

1773. The mean N.P.D. of Brisbane and Taylor (although differing more than 13″) is taken for the modern comparison.

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1774. This star is designated as 124 *Tauri* by Piazzi, but no such star exists.

1775. The N.P.D. of Taylor and Brisbane differs nearly 10″; the mean of the two is taken.

1776. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

1784. Bradley has no *A*R, and it here depends on a comparison of Piazzi with Taylor. Groombridge's N.P.D. (which differs nearly 9″ from Taylor's) is adopted for the modern comparison.

1785. The mean N.P.D. of Taylor and Johnson is taken for the modern comparison because they nearly agree, but Pond (251) differs 12″ from the mean of them.

1786. The mean N.P.D. of Brisbane and Taylor is taken, although they differ above 7″.

1796. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

1797. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

1800. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

1802. This star has also been observed by Airy, Henderson, Johnson (133), Pond (253), and Rumker (90).

1805. Bradley has no N.P.D., and it here depends wholly on modern observations. Bradley's *A*R should be 82° 16′ 5″,1. This star and Bradley 824 were observed by him on Jan. 14, 1754, and are to be found in the *Hist. Cél.*, pages 262 and 313; the present star was also observed by Bessel (zone 146), and by Henderson in 1837; all of which observations show that Bradley has made an error of 1^m in the time of transit.

1808. Bradley has no N.P.D., and it here depends wholly on Bessel (25) and Argelander (128).

1813. The position of this star is deduced from Wollaston (9) in his 4th zone.

1817. The mean N.P.D. of Brisbane and Taylor (although differing 7″) is adopted for the modern comparison.

1818. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

1822. Bradley has no N.P.D., and it here depends solely on Argelander (129). The star is alluded to by Piazzi in his note to 13 *Leporis*.

1824. Groombridge's N.P.D. (which differs nearly 9″ from Taylor's) is taken for the modern comparison.

1825. Taylor's N.P.D. (which differs more than 13″ from Brisbane's) is taken for the modern comparison.

1826. The approximate position of this star is here deduced from Argelander's *Uranometria Nova*.

1835. This star was observed also by Mayer (218).

1838. This star is designated as a nebula by Lacaille and by Brisbane; it is in fact in the middle of the *Nubecula Major*.

1853. Bradley has no N.P.D., and it is here deduced from a comparison of Argelander (133) with Piazzi and Taylor. It was observed also by Wrottesley (351).

1854. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with the mean of Pond and Taylor.

1859. Taylor's N.P.D. is here assumed for the modern comparison. It differs 29″ from Brisbane's, which is presumed to be erroneous.

1864. Taylor's N.P.D. in his vol. iii. is taken for the modern comparison. The N.P.D. in vol. ii. (725) is erroneous above 32″.

1867. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

1870. The *A*R of this star has been brought up by precession from Lacaille, as there is no modern observation of it in *A*R.

1872. This star is Flamsteed's 33 *Camelopardi*, but which cannot well be located in this constellation, and I have therefore placed it in *Auriga*.

1877. The position of this star is here deduced wholly from Groombridge (1036).

1879. The *A*R of this star is first reduced from Groombridge (1004) to Pond (254) by Bessel's formula, and the proper motion thence obtained. With Pond's *A*R and this proper motion the present *A*R is deduced by Bessel's formula.

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1885. Bradley's AR should be 84° 50′ 33″,7. He made two observations of this star, one on Feb. 17, and the other on Feb. 22, 1756. It was observed by Groombridge (1040) and Pond (268).

1887. Bradley has no AR, and it is here deduced from a comparison of Piazzi with Groombridge (1041) and Taylor, but Groombridge's N.P.D. (which differs 9″ from Taylor's) is taken for the modern comparison. It is Flamsteed's 34 *Camelopardi*, but as it cannot well be located in that constellation I have inserted it in *Auriga*.

1888. Bradley has no AR, and it here depends solely on Groombridge (1043).

1891. Taylor's N.P.D. (which differs above 8″ from Brisbane's) is taken for the modern comparison.

1892. Taylor's N.P.D. (which differs above 6″ from Brisbane's) is taken for the modern comparison.

1893. The position of this star is deduced wholly from the observation in *Hist. Cél.*, page 206.

1894. Brisbane has no observation of this star in AR, it is therefore brought up by precession from Lacaille.

1895. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

1898. The AR of this star is brought up by precession from Lacaille, as there is no modern observation of it in AR.

1899. This star was observed also by Groombridge (1055) and Argelander (139).

1907. The position of this star is here deduced from Bessel's zones, Nos. 56 and 146.

1909. The AR of this star has been brought up by precession from Lacaille, as there is no modern observation of it in AR.

1916. Bradley has no AR, and it is here deduced from a comparison of Mayer with modern observations.

1921. Bradley has no N.P.D., and it here depends solely on Groombridge.

1924. This is Flamsteed's 35 *Camelopardi*, but as it cannot well be located in that constellation I have inserted it in *Auriga*.

1928. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

1930. The position of this star is here deduced from the observation in *Hist. Cél.*, page 254.

1931. Bradley's two observations in declination differ 16″,6.

1932. The position of this star is here deduced from the observation in *Hist. Cél.*, page 208.

1933. This star is designated by Lacaille as η *Columbæ*, but it is one of Ptolemy's stars, and is placed by him in *Argo*.

1934. Bradley has no AR, and it is here deduced from a comparison of Mayer with modern observations.

1936. Bradley's AR in the *Fund. Astron.* should probably be 87° 34′ 48″,4, which would increase the value in the present catalogue by $0^s.05$.

1942. Bradley has no N.P.D., and it here depends solely on Groombridge.

1943. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

1950. Bradley has no AR, and it here depends solely on Groombridge.

1952. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

1953. Taylor's declination is erroneous 1′.

1960. The AR of this star is brought up by precession from Lacaille, as there is no modern observation of it in AR.

1961. Bradley has no AR, and it is here deduced from a comparison of Piazzi with Taylor.

1962. The approximate position of this star is deduced from Argelander's *Uranometria Nova*.

1963. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

1969. The AR of this star is brought up by precession from Lacaille, as there is no modern observation of it in AR.

1971. Taylor's N.P.D. (which differs above 8″ from Brisbane's) is taken for the modern comparison. Bradley's precession in AR for 1800 in the *Fund. Astron.* should be 54″,575.

1972. The mean N.P.D. of Brisbane and Taylor (although differing above 8″) is taken for the modern comparison.

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1974. Bradley has no $\mathcal{R}$, and it here depends wholly on Airy (C), Wrottesley and Taylor.

1979. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. The mean of Pond (281), and Groombridge (1102), is taken for the modern comparison in N.P.D.

1980. This star was also observed by Flamsteed (B.F 834), by Groombridge (1100) and Pond (280).

1994. The position of this star depends wholly on the observation in *Hist. Cél.*, page 264.

2004. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Airy (C) and Taylor.

2015. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

2018. The position of this star has been deduced from Lacaille by precession alone, there being no modern observation. [S.]

2019. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2020. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2022. The mean $\mathcal{R}$ of Taylor and Wrottesley (who differ $0^s.63$) is taken for the modern comparison.

2024. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2025. The $\mathcal{R}$ of this star is brought up by precession from Lacaille, as there is no modern observation of it in $\mathcal{R}$.

2029. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Mayer with modern observations.

2032. Brisbane's $\mathcal{R}$ is assumed to be 1^m in error. His N.P.D. differs above $11''$ from Taylor's; the mean is taken for the modern comparison.

2041. This star is Groombridge 1143.

2043. This star is Groombridge 1144.

2045. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2046. The position of this star is deduced from Groombridge (1149).

2060. This is the companion to the preceding star. Bradley has no N.P.D., and it is here deduced from a comparison of the difference of Piazzi and Lalande, page 257, from 8 *Monocerotis*. There appears to be an error of more than $2'$ in Taylor's observation.

2065. The $\mathcal{R}$ of this star is brought up by precession from Lacaille, as there is no modern observation of it in $\mathcal{R}$.

2066. This star is called δ *Columbæ* by Lacaille, but it is the star that Ptolemy has placed in *Canis Major*.

2068. The mean N.P.D. of Brisbane and Taylor (although differing $8''$) is taken for the modern comparison.

2070. The approximate position of this star is deduced from Argelander's *Uranometria Nova*.

2074. Groombridge's (1163) N.P.D. differs $10''$ from the mean of Argelander (145) and Taylor, and is therefore rejected.

2077. The mean N.P.D. of Brisbane and Taylor (although differing above $7''$) is taken for the modern comparison.

2080. Another star of the 8th magnitude (Piazzi 99) precedes this about 1 second of time and about $23''$ to the south.

2081. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2082. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Airy (C) and Wrottesley.

2083. This star was observed by Wollaston, and is 16 in his 3rd zone.

2085. The $\mathcal{R}$ of this star has been first reduced from Lacaille to Brisbane by Bessel's formula, and the proper motion thence deduced. With Brisbane's $\mathcal{R}$ and this proper motion the present $\mathcal{R}$ has been deduced.

2095. This star was also observed by Groombridge (1159).

2099. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

2101. The position of this star is wholly deduced from the observation in *Hist. Cél.*, page 272.

2102. This star was observed by Lacaille on October 24, 1751, with the rhomboidal micrometer, at

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$6^h\ 19^m\ 50^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

2113. The position of this star is deduced wholly from Groombridge (1178).

2114. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2116. This star is usually called 21 *Geminorum*, but Flamsteed's star so designated does not exist.

2118. The position of this star is deduced from Bessel's zone 61. Flamsteed states it to be of the 4th magnitude, whilst Bessel considers it only of the 8th.

2120. Bradley has no AR, and it is here deduced from a comparison of Piazzi with Argelander (146) and other modern observations.

2125. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2128. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations. Groombridge's N.P.D. is erroneous 10°.

2143. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2144. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2149. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

2157. This star is located by Hevelius in *Cepheus*, and by Taylor in *Camelopardus*, but it evidently belongs to *Ursa Minor*.

2175. Bradley has no AR, and it is here deduced from a comparison of Piazzi with Groombridge (1204) and other modern observations.

2184. The observation in *Hist. Cél.*, page 262, has been adopted for the modern comparison with Mayer.

2185. Bradley's precession in AR for 1800 in the *Fund. Astron.* should be $49'',540$.

2187. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2191. Bradley's two observations in N.P.D. differ $13'',2$. It was observed also by Pond (305) and Airy (C).

2192. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2196. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.

2198. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2202. Brisbane's N.P.D. (which differs 10″ from Taylor's) is taken for the modern comparison.

2210. This star was observed also by Groombridge (1217) and Pond (309).

2216. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2220. Groombridge's N.P.D. (which differs above 6″ from Taylor's) is taken for the modern comparison.

2222. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2223. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2224. Argelander's AR (which differs $2^s,71$ from Taylor's) is taken for the modern comparison.

2232. The mean N.P.D. of Brisbane and Taylor (although differing nearly 12″) is taken for the modern comparison.

2234. The mean N.P.D. of Brisbane and Taylor (although differing above 7″) is taken for the modern comparison.

2235. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2238. The position of this star is here deduced wholly from the observation in *Hist. Cel.*, page 316.

2239. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations. Groombridge's N.P.D. (which differs nearly 7″ from Taylor's) is taken for the modern comparison.

2241. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2245. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.

2249. This star was observed also by Groombridge (1235).

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2252. The mean N.P.D. of Brisbane and Pond (which differs 7″ from Taylor's) is taken for the modern comparison.

2253. The mean N.P.D. of Brisbane and Taylor (although differing upwards of 10″) is taken for the modern comparison.

2267. Bradley's precession in Declination for 1800 in the *Fund. Astron.* should be 3″,982.

2284. This star was observed by Lacaille on December 1, 1751, with the rhomboidal micrometer, at $6^h\ 44^m\ 54^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

2289. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is adopted for the modern comparison.

2292. The position of this star is deduced from the observation in *Hist. Cél.*, page 210.

2294. This star was observed also by Groombridge (1256).

2303. Brisbane has no observation of this star in N.P.D., it is therefore brought up by precession from Lacaille.

2306. The position of this star is deduced from Bessel's zone 148.

2311. Taylor's declination is erroneous about 90″. The N.P.D. therefore here depends solely on Piazzi, who considers the star to be of the 8th magnitude.

2316. The mean N.P.D. of Brisbane and Taylor (although differing nearly 8″) is taken for the modern comparison.

2320. The AR of this star has been first reduced from Groombridge to Pond (303), by Bessel's formula, and the proper motion thence obtained. With Pond's AR and this proper motion, the present AR has been deduced by Bessel's formula. This star was also observed by Wollaston (14) in his 1st zone.

2325. The mean N.P.D. of Brisbane and Taylor (although differing nearly 11″) is taken for the modern comparison.

2326. This star was observed also by Groombridge (1259) and Pond (324).

2328. Brisbane's N.P.D. (which differs above 8″ from Taylor's) is taken for the modern comparison.

2329. Taylor's declination appears to be erroneous about 10″. The N.P.D. therefore here depends solely on Piazzi.

2332. The mean N.P.D. of Brisbane and Taylor (although differing nearly 8″) is taken for the modern comparison.

2334. The position of this star is deduced from Argelander's observations in *Ast. Nach.*, N°. 226.

2339. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.

2342. The mean N.P.D. of Brisbane and Taylor (although differing above 8″) is taken for the modern comparison.

2346. This star was observed also by Groombridge (1274).

2347. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

2359. Bradley has no AR, and it is here deduced from a comparison of Piazzi with Taylor. It is called 50 *Geminorum* by Bradley and Piazzi, but Flamsteed's star so designated does not exist.

2363. Bradley has no N.P.D., and it here depends solely on the observation in *Hist. Cél.*, page 145.

2365. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2367. This star was observed by Groombridge (1284).

2369. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

2371. The mean N.P.D. of Brisbane and Taylor (although differing above 7″) is taken for the modern comparison.

2375. This star was observed by Lacaille on February 15, 1752, with the rhomboidal micrometer, at

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$7^h\ 1^m\ 58^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

2376. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2379. The position of this star is deduced from the observation in *Hist. Cél.*, page 383.

2380. Brisbane's N.P.D. (which differs nearly 7″ from Taylor's) is taken for the modern comparison.

2390. Bradley has no N.P.D., and it therefore here depends wholly on Airy (G).

2393. Bradley has no N.P.D., and it here depends wholly on Bessel.

2395. Brisbane's N.P.D. (which differs above 7″ from Taylor's) is adopted for the modern comparison.

2397. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. Groombridge's N.P.D. (which differs nearly $7\frac{1}{2}$″ from Taylor's) is adopted for the modern comparison.

2403. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.

2404. This star was observed by Lacaille on November 3, 1751, with the rhomboidal micrometer, at $6^h\ 59^m\ 53^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.

2406. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

2409. Bradley has no $\mathcal{R}$; it is a double star, each nearly of the same magnitude. Bradley and Argelander (154) observed the following of the two, but Piazzi and Taylor appear to have observed the preceding one; I have adopted Argelander's position, which refers to the second of the two stars. Consequently the $\mathcal{R}$ is deduced from Argelander alone, and the N.P.D. from a comparison of Bradley with Argelander. These stars were observed by Groombridge (1297 and 1298).

2423. The mean N.P.D. of Taylor and Pond (339) (which differs $7\frac{1}{2}$″ from Brisbane) is taken for the modern comparison.

2424. The mean N.P.D. of Brisbane and Taylor (although differing nearly 12″) is adopted for the modern comparison.

2426. Taylor's N.P.D. (which differs about 6″ from Brisbane's) is taken for the modern comparison.

2438. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.

2439. This star was observed also by Groombridge (1308) and Pond (340). It is located by Hevelius in *Ursa Major*.

2443. Brisbane's N.P.D. is presumed to be 1′ in error.

2448. The position of this star is deduced from Taylor's observations in his vol. v. page clviii. N°. 1574. The $\mathcal{R}$ appears to differ several seconds from Brisbane's.

2453. The mean N.P.D. of Brisbane and Taylor (although differing above 8″) is taken for the modern comparison.

2459. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2463. The position of this star is deduced from the observation in *Hist. Cél.*, page 144.

2468. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2483. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2485. This is a double star, the middle of which was observed by Argelander (156). Taylor observed the first of the two, but Piazzi observed them both.

2488. The approximate position of this star is deduced from Argelander's *Uranometria Nova*.

2501. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2509. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

2511. The approximate position of this nebula is deduced from Argelander's *Uranometria Nova*.

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2517. Bradley has no $\mathcal{R}$, and it here depends wholly on modern observations.

2518. It would appear from the observations of Bessel (27) and Argelander (157), that Bradley's $\mathcal{R}$ is $1^s,0$ too great; and as he has no N.P.D., the position of the star is deduced wholly from Bessel and Argelander. It was observed by Bradley on March 2, 1757.

2520. The mean N.P.D. of Brisbane and Taylor is here adopted, although they differ nearly 6″.

2521. This star was observed also by Groombridge (1339).

2526. This star was observed also by Mayer (307).

2527. Bradley's two observations in $\mathcal{R}$ differ 7″,5, and his two observations in N.P.D. above the pole, differ 6″,4 from the two observations below the pole.

2529. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.

2530. This star was observed also by Flamsteed (B.F 1074), and is the star marked κ in Bayer's map; but as I have not disturbed Lacaille's mode of lettering this constellation, I have not here inserted it.

2531. Neither Brisbane nor Taylor has any observation of this star in $\mathcal{R}$, it is therefore here deduced solely from Piazzi.

2532. This is Flamsteed's 50 *Camelopardi*, erroneously placed by him in that constellation.

2535. The mean N.P.D. of Brisbane and Taylor (although differing above 8″) is taken for the modern comparison.

2538. The position of this star has been deduced from the observations in *Hist. Cél.*, pages 278 and 280. [S.]

2543. Taylor's N.P.D. (which differs upwards of 9″ from Brisbane's) is taken for the modern comparison.

2545. Taylor's N.P.D. (which differs 10″ from Brisbane's) is adopted for the modern comparison.

2546. Taylor's N.P.D. (which differs upwards of 9″ from Brisbane's) is taken for the modern comparison.

2550. The mean N.P.D. of Brisbane and Taylor (although differing above 7″) is taken for the modern comparison.

2557. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. Piazzi and Bessel designate this star as 1 *Navis*, which belongs to N°. 2555 of this catalogue. See Baily's 'Flamsteed,' page 553. Brisbane's N.P.D. appears to be in error 1°. It was observed also by Wrottesley (456).

2560. This star is Flamsteed's 1 *Navis*, and the first in his catalogue that belongs to the constellation *Argo*, which is here subdivided agreeably to what has been stated in the preface, page 62. The subdivision *Puppis* contains the whole of the stars located by Flamsteed in *Navis*. The present star is that which is marked by Bayer as σ *Argus*; but as Lacaille has designated N°. 2478 of this catalogue by that letter, I have here omitted it.

2562. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. Flamsteed designates this star as 3 *Navis* τ.

2565. The position of this star is deduced from the observation in *Hist. Cél.*, page 468.

2571. The mean N.P.D. of Brisbane and Taylor (although differing upwards of 8″) is taken for the modern comparison.

2575. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.

2585. The $\mathcal{R}$ of this star is brought up from Groombridge by Bessel's formula.

2586. The position of this star is deduced from the observation in *Hist. Cél.*, page 144.

2587. The position of this star is deduced from Argelander (161).

2589. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

2599. Bradley has no $\mathcal{R}$, and it here depends solely on modern authorities.

2602. This is Flamsteed's 7 *Navis*.

2603. Brisbane's N.P.D. (which differs above 7″ from Taylor's) is adopted for the modern comparison.

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2604. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.
2607. The N.P.D. is deduced from a comparison with Brisbane, as Rumker differs therefrom above 22″.
2615. This star was observed by Lacaille on January 25, 1752, with the rhomboidal micrometer, at $7^h\ 43^m\ 59^s$. It is not in any modern catalogue, and its position is therefore brought up by precession alone.
2625. This is a nebula, about 15 or 20 minutes in diameter, and has been brought up by precession alone from Lacaille.
2631. The mean N.P.D. of Brisbane and Taylor (although differing 6″) is taken for the modern comparison.
2636. This star was also observed by Flamsteed (B.F 1108) and by Wrottesley (462).
2643. Bradley's two observations in $\mathcal{R}$ differ 6″,1.
2645. The mean N.P.D. of Brisbane and Taylor (although differing 13″) is adopted for the modern comparison.
2648. This star was observed also by Groombridge (1389).
2649. This star was observed also by Wrottesley (464).
2658. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.
2659. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
2663. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.
2666. The position of this star is deduced from Argelander's observation in *Ast. Nach.*, N°. 226.
2670. The mean N.P.D. of Brisbane and Taylor (although they differ more than 6″) is taken for the modern comparison.
2673. This star has been inadvertently placed by Flamsteed in the constellation *Argo*, and is designated as 13 *Navis* in the British catalogue.
2678. The mean N.P.D. of Brisbane and Taylor (although they differ nearly 6″) is taken for the modern comparison.
2681. This star was observed also by Groombridge (1401).
2682. The mean N.P.D. of Brisbane and Taylor (although they differ 10″) is taken for the modern comparison.
2683. The position of this star is deduced from the observations in *Hist. Cél.*, pages 219 and 254.
2684. The mean N.P.D. of Brisbane and Taylor (although differing more than 6″) is taken for the modern comparison.
2688. The position of this star is deduced from the observation in *Hist. Cél.*, page 144.
2689. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.
2691. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.
2692. The mean N.P.D. of Brisbane and Taylor (although differing more than 7″) is taken for the modern comparison.
2695. The mean N.P.D. of Brisbane and Taylor is adopted, although they differ 6″.
2703. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
2706. The position of this star is deduced from Argelander (164).
2707. The mean $\mathcal{R}$ of Groombridge (1404) and Taylor (who differs 1^s,0 from Pond) is taken for the modern comparison. Bradley has no N.P.D., and it here depends wholly on modern observations.
2715. Bradley has no N.P.D., and it here depends solely on Groombridge.
2719. The mean N.P.D. of Brisbane and Taylor (although differing above 8″) is taken for the modern comparison.
2722. Bradley has no N.P.D., and it here depends solely on Groombridge.
2723. The position of this star is deduced from the observation in *Hist. Cél.*, page 283.
2728. This is Flamsteed's 15 *Navis*.

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2737. The position of this star is deduced from the observation in *Hist. Cél.*, page 52. [S.]

2739. The position of this star is deduced from the observation in *Hist. Cél.*, page 280. [S.]

2740. This is Mayer 328, and was also observed by Wrottesley (476).

2748. The position of this star has been deduced from the observation in *Hist. Cél.*, page 52. [S.]

2749. Bradley has no N.P.D., and it here depends solely on Groombridge. Bradley's two observations in $\mathcal{R}$ differ 16″,2, even after the correction of 10^s,0 alluded to by Bessel. There is, however, another observation of this star on September 6, 1753, not alluded to by Bessel, and which confirms the error of 10^s,0 above mentioned.

2751. Bradley has no N.P.D., and it here depends wholly on modern observations. This star was observed by Argelander (170) and by Bessel (29).

2756. The mean N.P.D. of Brisbane and Taylor (although they differ more than 7″) is taken for the modern comparison.

2759. This is Mayer 329.

2760. Lacaille says that this nebula has five stars disposed in the shape of the letter T.

2761. The position of this star is deduced from the observation in *Hist. Cél.*, page 216. [S.]

2763. Brisbane's N.P.D. (which differs 18″ from Taylor's) is rejected on account of there being only one observation.

2766. The approximate position of this nebula is deduced from Argelander's *Uranometria Nova*. [S.]

2771. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.

2784. This star was observed also by Groombridge (1427).

2787. The $\mathcal{R}$ of this star has been brought up from Groombridge by Bessel's formula.

2800. Taylor's N.P.D. is 1° too little.

2810. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

2813. The mean N.P.D. of Brisbane and Taylor (although differing nearly 7″) is taken for the modern comparison.

2824. Taylor's declination is erroneous about one year's precession. The N.P.D. is therefore here deduced from a comparison of Piazzi and Groombridge (that is the mean of the two reduced to 1850).

2828. Piazzi considers this star of the $9\frac{1}{2}$ magnitude.

2829. The mean N.P.D. of Brisbane and Taylor (although differing more than 5″) is taken for the modern comparison.

2836. Taylor's N.P.D. is erroneous at least 1′.

2840. This star was observed also by Mayer (341).

2847. The mean N.P.D. of Brisbane and Taylor (although differing nearly 9″) is taken for the modern comparison.

2849. The mean N.P.D. of Brisbane and Johnson (which nearly coincide) is adopted for the modern comparison. Rumker differs therefrom upwards of 10″.

2851. The mean N.P.D. of Brisbane and Taylor is adopted, although they differ nearly 7″.

2858. The mean N.P.D. of Brisbane and Taylor (although differing 14″) is taken for the modern comparison.

2860. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

2867. The mean $\mathcal{R}$ of Taylor and Wrottesley (who differ 0^s,5) is taken for the modern comparison.

2874. Brisbane's N.P.D. is here taken for the modern comparison; it differs 26″ from Taylor, who has only one observation of it.

2875. The mean N.P.D. of Brisbane and Taylor (although differing 7″) is taken for the modern comparison.

2876. Bradley's two observations in $\mathcal{R}$ differ 10″,9.

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2877. The mean N.P.D. of Brisbane and Taylor (although differing about 12″) is taken for the modern comparison.

2878. Maclear's N.P.D. (which differs 12″ from Brisbane's) has been adopted in the computation. This star is marked with the letter A in Maclear's observations.

2882. The position of this star is deduced from Argelander's notes in *Ast. Nach.*, N°. 226, where the position for 1830 is $\mathcal{R} = 8^h\ 25^m\ 15^s.60$, and Dec. $= +60°\ 31'\ 30''.7$. [S.]

2883. The mean N.P.D. of Brisbane and Taylor (although differing 9″) is taken for the modern comparison.

2890. The mean N.P.D. of Brisbane and Taylor (although differing above 7″) is taken for the modern comparison.

2894. The position of this star is deduced from Bessel's zones 349, 350 and 352. [S.]

2899. This is Mayer 351.

2904. The mean N.P.D. of Brisbane and Taylor (who nearly coincide) is adopted for the modern comparison. Rumker differs therefrom upwards of 8″.

2913. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Mayer with modern observations. It was observed by Wrottesley (506).

2914. This star is Mayer 355, and was observed by Wrottesley (507).

2919. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Mayer (359) with modern observations.

2920. This is designated e^2 by Lacaille, and the next following star as e^1; but by Taylor's observations the stars follow each other as here arranged. Brisbane's observations with the mural circle and the transit instrument differ from each other.

2921. See the preceding note. I would also here remark, that Rumker has observed a star (110) which may have been this star, but its $\mathcal{R}$ differs nearly 20^s.

2922. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Mayer with modern observations. It was observed also by Wrottesley (512).

2924. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2925. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Mayer (362) with modern observations.

2931. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

2938. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

2940. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

2960. The mean N.P.D. of Brisbane and Taylor (who nearly coincide) is adopted for the modern comparison. Rumker differs therefrom upwards of 11″.

2968. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.

2969. The mean N.P.D. of Brisbane and Rumker (although they differ upwards of 10″) is taken for the modern comparison.

2976. This was observed also by Wrottesley (520).

2988. The position of this star is here deduced wholly from Airy (G).

2999. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

3001. The mean N.P.D. of Brisbane (N°. 2224 and 2225) has been taken in conjunction with Taylor's (the error of 1′ in N°. 2224 being first corrected) for the modern comparison.

3003. The mean N.P.D. of Groombridge and Taylor (who differ nearly 7″) is taken for the modern comparison.

3004. The position of this star is deduced from Argelander (181). [S.]

3009. Taylor's N.P.D. (which differs 12″ from Brisbane's) is assumed for the modern comparison.

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3011. Bradley's three observations in $\mathcal{R}$ do not well accord.
3013. The position of this star is deduced from Bessel's zone 59. [S.]
3021. The position of this star has been deduced from Groombridge (1481). [S.]
3022. The N.P.D. is here deduced from a comparison of Piazzi and Taylor, as Mayer's observation appears to be nearly $2'$ in error.
3041. Taylor has no observation of this star in $\mathcal{R}$, it is therefore here deduced solely from Piazzi.
3049. Bradley's two observations in $\mathcal{R}$ differ $12'',5$.
3053. The position of this star has been deduced from the observation in *Hist. Cél.*, page 324. [S.]
3059. This is Flamsteed's 10 *Ursæ Majoris*.
3083. The position of this star is deduced from Argelander (185). [S.]
3086. The approximate position of this star has been deduced from Argelander's *Uranometria Nova*. [S.]
3091. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel.
3093. The position of this star has been deduced from the observation in *Hist. Cél.*, page 148. [S.]
3096. The mean N.P.D. of Brisbane and Taylor (although differing above $5''$) is taken for the modern comparison.
3102. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
3103. Bradley has no N.P.D., and it here depends solely on the observation in *Hist. Cél.*, page 256. [S.]
3104. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor. Piazzi and Bessel designate this star as 73 *Cancri*, but the star so called by Flamsteed does not exist. Bradley's two observations in N.P.D. differ $10'',5$; the observation of March 19, 1754, appears to be the most correct.
3106. Groombridge's N.P.D. (which differs upwards of $16''$ from Taylor's) is taken for the modern comparison.
3108. Bradley's five observations in $\mathcal{R}$ do not well accord; the extreme difference is $19'',0$.
3116. The position of this star has been deduced from Groombridge (1517). [S.]
3118. The position of this star has been deduced from Groombridge (1518). [S.]
3133. The position of this star has been deduced from the observation in *Hist. Cél.*, page 324. [S.]
3134. Brisbane's N.P.D. (which differs nearly $10''$ from Rumker's) is adopted for the modern comparison.
3145. The mean N.P.D. of Brisbane and Taylor (although differing above $6''$) is taken for the modern comparison.
3152. Johnson's $\mathcal{R}$ is adopted for the modern comparison, to the exclusion of Brisbane, Rumker and Taylor.
3157. Bessel considers that there is but little confidence to be placed in the position of this star as deduced from Bradley's observations. The proper motion therefore is doubtful.
3158. Taylor's N.P.D. (which differs $16''$ from Brisbane's) is assumed for the modern comparison.
3159. The mean N.P.D. of Brisbane and Taylor (although they differ $7''$) is taken for the modern comparison.
3164. The declination of this star was also observed by Mayer (398). The $\mathcal{R}$ has been deduced from a comparison of Piazzi with Taylor, and the N.P.D. from a comparison of Mayer with Taylor. [S.]
3169. This star is erroneously placed by Flamsteed in the constellation *Lynx*.
3170. This is probably Mayer 399, as the $\mathcal{R}$ agrees very well, but there is a difference of nearly $7'$ in the declination. The N.P.D. is therefore deduced from a comparison of Piazzi with Taylor.
3172. The position of this star has been deduced from Groombridge (1534). [S.]
3182. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. The mean N.P.D. of Groombridge and Taylor (although they differ nearly $7''$) is taken for the modern comparison. This star is called 39 *Lyncis* by Flamsteed.

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3183. Bradley has no N.P.D., and it here depends wholly on modern observations; the approximate declination given in Bradley's catalogue should be 26° 12′. It was observed by him on March 23, 1755.

3185. Bradley has no N.P.D., and it here depends on a comparison of Piazzi with Taylor.

3191. This star was observed by Lacaille on January 13, 1752, with the rhomboidal micrometer, at $9^h\ 12^m\ 49^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

3192. The mean N.P.D. of Brisbane and Taylor (although they differ 7″) is taken for the modern comparison.

3194. This star is Flamsteed's 6 *Leonis Minoris*. [S.]

3199. This star was also observed by Groombridge (1537). [S.]

3201. This star was also observed by Argelander (193). [S.]

3205. Taylor's N.P.D. is erroneous 17°, and it is here corrected.

3214. Brisbane's N.P.D. (which differs 8″ from Rumker's) is assumed for the modern comparison.

3220. The position of this star has been deduced from Groombridge (1545). [S.]

3221. Bradley's five observations in $\mathcal{R}$ do not well accord; the extreme difference is 21″,1.

3228. The annual precessions in $\mathcal{R}$ annexed to this star in the *Fund. Astron.* should be transposed.

3230. The mean N.P.D. of Brisbane and Taylor (although differing 7″) is adopted for the modern comparison.

3231. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

3232. Pond's $\mathcal{R}$ (which differs nearly 1^s,0 from Taylor's) is taken for the modern comparison.

3233. The position of this star has been deduced from the observation in *Hist. Cél.*, page 321. [S.]

3238. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

3244. Brisbane's N.P.D. (which differs 12″ from Taylor's) is assumed for the modern comparison.

3245. Taylor considers the magnitude of this star to be variable. [S.]

3247. This nebula is not to be found in any modern catalogue, and its position is therefore brought up by precession alone from Lacaille's observation.

3265. This star was also observed by Flamsteed (B.F 1347) and by Groombridge (1560).

3273. This star was observed also by Airy (C).

3276. Brisbane's N.P.D. (which differs 6″ from Rumker's) is adopted for the modern comparison.

3278. The mean N.P.D. of Airy (C) and Taylor (who, however, differ above 7″) is adopted for the modern comparison.

3286. Bradley's two observations in $\mathcal{R}$ differ 9″,3; Bessel thinks that the second is the most correct, which would alter the $\mathcal{R}$ in the present catalogue. This star is Argelander 200 and Pond 406.

3287. The position of this star has been deduced from Groombridge (1564). [S.]

3294. Bessel thinks it probable that a mistake of 1′ has been made in Bradley's observation of the $\mathcal{R}$ of this star, but modern observations confirm the position given in the *Fund. Astron.*

3298. The mean N.P.D. of Brisbane and Taylor (although differing 7″) is adopted for the modern comparison.

3299. This star was also observed by Mayer (413).

3301. This star was observed by Lacaille on April 26, 1752, with the rhomboidal micrometer, at $9^h\ 28^m\ 47^s$. It is not in any modern catalogue, and the position is therefore deduced from Lacaille by precession alone.

3310. Bradley's two observations in $\mathcal{R}$ differ 12″,7; and it appears from the note to N°. 203 of Argelander's catalogue, that the $\mathcal{R}$ of this star as observed at different periods does not well accord.

3313. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

3319. The mean N.P.D. of Brisbane and Rumker is here taken for the modern comparison, to the exclusion of Taylor, who differs nearly 7″.

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3324. This star is Flamsteed's 44 *Lyncis*. [S.]
3325. Bradley has no N.P.D., and it here depends solely on Bessel (31).
3335. The mean N.P.D. of Brisbane and Taylor (although differing nearly 10″) is taken for the modern comparison.
3336. The position of this star has been deduced from Argelander (205). [S.]
3345. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with Taylor. Argelander considers the magnitude to be variable.
3346. Bradley's five observations in *A*R do not well accord; the extreme difference is 18″,1.
3375. The position of this star has been deduced from the observation in *Hist. Cél.*, page 323. [S.]
3380. The position of this star has been deduced from the observation in *Hist. Cél.*, page 226. [S.]
3397. The position of this star depends wholly on Groombridge (1591). [S.]
3402. The position of this star depends wholly on Groombridge (1594). [S.]
3418. The position of this star depends on the observation in *Hist. Cél.*, page 324. [S.]
3420. The position of this star depends wholly on the observation in *Hist. Cél.*, page 150. [S.]
3422. The mean N.P.D. of Brisbane and Rumker (although differing nearly 7″) is taken for the modern comparison.
3423. This star was also observed by Flamsteed (B.F 1419).
3424. Brisbane's N.P.D. differs nearly 8″ from that of Taylor, and has been therefore rejected. [S.]
3425. This star is Groombridge 1601. [S.]
3427. The position of this star has been derived from the observation at page 210 of *Hist. Cél.* [S.]
3430. The position of this star has been deduced from the observation at page 324 of *Hist. Cél.* [S.]
3431. The position of this star depends on the observation at page 210 of *Hist. Cél.* [S.]
3438. The position of this star depends on the observation at page 327 of *Hist. Cél.* [S.]
3439. The position of this star depends on the observation at page 60 of *Hist. Cél.* [S.]
3443. This star is also Mayer 431 and Wrottesley 582. [S.]
3447. The *A*R of Taylor is taken, and the mean N.P.D. of Brisbane and Taylor (although they differ nearly 8″), for the modern comparisons.
3458. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.
3461. The position of this star has been deduced from Lacaille alone, there being no modern observation. [S.]
3465. The N.P.D. is deduced solely from Taylor, as there appears to be an error of 5′ in Brisbane's catalogue.
3468. The position of this star depends wholly on Groombridge (1619). [S.]
3471. The position of this star depends wholly on the observation at page 328 of *Hist. Cél.* [S.]
3475. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.
3476. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations. It was observed by Wrottesley (588) and Airy (C).
3478. The mean N.P.D. of Brisbane and Taylor is adopted, to the exclusion of Rumker, who differs 10″.
3482. Rumker has been taken as the modern authority for *A*R, and Brisbane for N.P.D. [S.]
3484. Bradley has no N.P.D., and it here depends solely on Lalande. (*Hist. Cél.*, page 150.)
3486. The mean *A*R of Argelander and Taylor (although they differ 0^s,9) is taken for the modern comparison. There is a strange discordance in the *A*R of this star. Bessel considers that Flamsteed's observations confirm the proper motion indicated by a comparison with Piazzi, whereas Argelander thinks that there is an error of one second of time in Piazzi's catalogue, as compared with his own and Bessel's observations. Then comes Taylor's result, which throws the whole again into confusion.
3490. Taylor's *A*R, which differs 0^s,55 from Airy (C), is adopted for the modern comparison.
3495. The *A*R of this star has been brought up by Bessel's formula successively from Bradley, Piazzi, Groom-

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bridge and Taylor. The mean N.P.D. of Groombridge and Taylor (who however differ above 7″) is adopted for the modern comparison.

3514. This star is also Groombridge 1632. [S.]

3528. The mean of Taylor and Groombridge (1633) in N.P.D. (although they differ 7″,2) is here adopted for the modern comparison.

3529. The position of this star is derived from Bessel's zone 69. [S.]

3530. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. It was observed by Groombridge (1641).

3531. Bradley has no Æ, and it is here deduced from a comparison of Piazzi with modern observations. It was observed by Groombridge (1640). It was not observed by Hevelius.

3538. Mayer (445) has been adopted as the old authority for this star. [S.]

3553. The position of this star has been derived from the observation at page 277 of *Hist. Cél.* [S.]

3556. The N.P.D. of this star is brought up by precession alone from Lacaille, as Rumker has no observation of it in N.P.D.

3566. The position of this star has been derived from a comparison of Bradley with the observation at page 552 of *Hist. Cél.* [S.]

3570. Wrottesley's Æ (which differs $0^s,52$ from Taylor's) is adopted for the modern comparison.

3577. Observed also by Argelander (225).

3579. This star was also observed by Mayer (449), who has been adopted as the old authority. [S.]

3582. Bradley has no N.P.D., and it here depends solely on Taylor. It was observed also by Wrottesley (604).

3583. This star was also observed by Mayer (450), who has been adopted as the old authority. [S.]

3585. The mean N.P.D. of Brisbane, Johnson and Taylor (to the exclusion of Rumker) is adopted for the modern comparison.

3590. Wrottesley's Æ (which differs $0^s,70$ from Taylor) is adopted for the modern comparison.

3592. The position of this star depends on the observation at page 275 of *Hist. Cél.* [S.]

3593. This star is also Pond 432, and Groombridge 1650. [S.]

3601. The mean N.P.D. of Taylor and Rumker, who nearly accord, is here taken for the modern comparison. Brisbane's differs 15″ therefrom.

3604. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.

3607. This star was observed also by Flamsteed (B.F 1497) and by Groombridge (1658).

3608. Brisbane's 3053 is probably this star, with an error of 1^m in Æ.

3614. The mean N.P.D. of Brisbane and Taylor (although differing more than 6″) is adopted for the modern comparison.

3618. The mean N.P.D. of Brisbane and Taylor (although differing nearly 7″) is taken for the modern comparison.

3623. The position of this star is deduced solely from Taylor, as it does not satisfactorily agree with Brisbane's N°. 3077.

3627. The position of this star has been derived from a comparison of Bradley with the observation at page 286 of *Hist. Cél.* [S.]

3629. Bradley's Dec. in the *Fund. Astron.* should be $+81^\circ\ 41'\ 20''.2$. The three observations were made on Nov. 21 and 28, 1750, and they all show that an error of 1′ has been made in the reduction. This star was also observed by Argelander (228).

3632. Flamsteed has designated this star as 1 *Hydræ et Crateris*.

3634. The N.P.D. is here deduced from a comparison of Piazzi and Taylor, as Mayer's declination appears to be 1′ in error.

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3637. The position of this star depends wholly on the observation at page 329 of *Hist. Cél.* [S.]
3645. The position of this star depends wholly on Groombridge (1669). [S.]
3646. Flamsteed has designated this star as 2 *Hydræ et Crateris.*
3652. The mean of Taylor and Pond (438) in *A*R (although they differ $0^s.5$) is here adopted for the modern comparison. This star was also observed by Flamsteed (B.F 1510) and by Groombridge (1673).
3655. The mean N.P.D. of Brisbane and Taylor (although differing nearly 7″) is taken for the modern comparison.
3658. The mean N.P.D. of Brisbane and Taylor (although differing 7″) is taken for the modern comparison.
3662. This star was observed by Lalande (*Hist. Cél.*, page 225).
3665. This star is also Groombridge 1678. [S.]
3678. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.
3684. Wrottesley's *A*R (which differs $0^s,51$ from Taylor's) is taken for the modern comparison.
3692. The position of this nebula has been derived from Lacaille by precession alone, there being no modern observation. [S.]
3701. The *A*R of this star was not observed by Brisbane; it has therefore been deduced by precession alone from Lacaille.
3726. The position of this star depends entirely on the observation at page 275 of *Hist. Cél.* [S.]
3732. The position of this star depends entirely on the observation at page 227 of *Hist. Cél.* [S.]
3738. Brisbane's N.P.D. is assumed to be 10′ in error; after this correction the mean is taken with Taylor for the modern comparison.
3741. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with Taylor.
3751. Bradley's two observations in *A*R differ 9″.3.
3752. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.
3756. The mean N.P.D. of Brisbane and Rumker (although differing 8″) is taken for the modern comparison.
3762. The N.P.D. for the modern comparison is taken from Brisbane, as Rumker appears to be 1′ in error.
3780. The position of this star depends entirely on the observation at page 226 of *Hist. Cél.* [S.]
3787. Bradley's two observations in *A*R differ 7″,5; he has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
3790. Taylor's N.P.D. is assumed to be 2° in error; after this correction the mean is taken with Brisbane for the modern comparison.
3816. Bradley has no *A*R, and it is here derived from a comparison of Piazzi with modern observations.
3817. The N.P.D. is taken from Brisbane alone for the modern comparison, as Taylor appears to be about 1′ in error.
3821. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]
3823. The mean N.P.D. of Brisbane and Taylor is adopted (although they differ 8″).
3827. Taylor's N.P.D. is assumed to be correct, but Brisbane's differs 2° from it.
3828. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.
3830. The mean N.P.D. of Brisbane and Taylor (although differing 6″) is taken for the modern comparison.
3831. This star was also observed by Mayer (469).
3836. The position of this star depends entirely on the observation at page 325 of *Hist. Cél.* [S.]
3846. This star is also Groombridge 1757. [S.]
3853. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.

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3864. This star is also Groombridge 1771. [S.]

3867. The mean N.P.D. of Brisbane and Rumker (although differing 9″) is taken for the modern comparison.

3869. The position of this star is deduced from the observation in *Hist. Cél.*, page 332. Position in 1800, $\mathcal{R}=11^h\ 12^m\ 0^s,8$, Prec.$+3^s,1628$. Dec.$=+18°\ 31'\ 59'',7$, Prec.$-19'',621$.

3886. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

3894. There is another star following this, which is Piazzi 71.

3904. This star was also observed by Groombridge (1783). [S.]

3918. The position of this star depends wholly on Groombridge (1797). [S.]

3922. This star is 17 *Hydræ et Crateris* in Flamsteed's catalogue. The mean of Brisbane and Taylor's N.P.D. (although they differ above 7″) is taken for the modern comparison. It forms, with the preceding star, a double star, and Bessel has taken the mean of the two in Piazzi's catalogue for his comparison. Piazzi says that the smaller star precedes and is south of the larger one. Brisbane states the contrary.

3925. Taylor's $\mathcal{R}$ differs $0^s,54$ from Wrottesley's (648); the mean is taken for the modern comparison.

3933. Groombridge's N.P.D. (which differs above 8″ from Taylor's) is here taken for the modern comparison. [S.]

3934. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. In taking the mean N.P.D. of the modern observations, the proper motion of the star has been applied before the comparison has been made. It is Flamsteed's 20 *Hydræ et Crateris*, and was also observed by Airy (G).

3945. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. It is Flamsteed's 22 *Hydræ et Crateris*, which Piazzi has applied to his 117.

3950. The mean N.P.D. of Brisbane and Taylor (although they differ above 11″) is taken for the modern comparison.

3953. Bradley's two observations in $\mathcal{R}$ differ 8″,6.

3957. The mean N.P.D. of Brisbane and Rumker (although differing 11″) is taken for the modern comparison.

3959. The position of this star depends on Groombridge (1816) alone. [S.]

3966. Argelander's $\mathcal{R}$ (which differs $1^s,25$ from Taylor's) is taken for the modern comparison.

3969. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

3972. The mean N.P.D. of Brisbane and Rumker (although differing 12″) is taken for the modern comparison.

3980. The mean N.P.D. of Brisbane and Taylor (although they differ 8″) is taken for the modern comparison.

3985. The position of this star depends solely on Groombridge (1825). [S.]

3992. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

3996. The position of this star depends solely on the observation at page 229 of *Hist. Cél.* [S.]

3997. The position of this star depends wholly on the Greenwich observations for 1839. [S.]

3999. The mean N.P.D. of Brisbane and Taylor is adopted, although they differ above 7″.

4005. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]

4009. The mean N.P.D. of Brisbane and Taylor (although they differ nearly 7″) is taken for the modern comparison.

4010. The position of this star is deduced from its position in 1840, as given by Argelander in *Astron. Nach.*, N°. 475, and using the annual variations there stated, its proper motion appears to be greater than that of 61 *Cygni*, it being 7″,06 in the arc of a great circle :—

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According to Argelander,

Ann. Prec.	$+3^s,144$	Ann. Prec.	$-20'',01$
Sec. Var.	$-0,028$ in A.	Sec. Var.	$-0,029$ in Dec.
Pro. Mot.	$+0,344$	Pro. Mot.	$-5,70$

4012. This is not the star mentioned by Zach in his catalogue of right ascensions, unless we suppose some error in the declination, and that it is the same declination as the star in page xcvi of his catalogue.

4018. The position of this star depends wholly on Groombridge (1832). [S.]

4028. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. It is the companion of 65 *Ursæ Majoris*.

4040. The mean N.P.D. of Brisbane, Rumker and Taylor is taken for the modern comparison (although differing several seconds from each other).

4041. This star was observed by Brisbane and by Rumker, but there is a difference of 10′ in the N.P.D., and only one observation by each. Rumker's observation is here adopted.

4046. The mean N.P.D. of Brisbane and Taylor is here adopted, although they differ above 10″.

4058. Brisbane's N.P.D. is supposed to be correct; it differs 4′ from Lacaille.

4061. Brisbane's N.P.D. is adopted for the modern comparison. It differs upwards of 16″ from Rumker, but Brisbane has nine observations and Rumker only two.

4093. The mean N.P.D. of Brisbane and Taylor is here adopted, although they differ nearly 7″.

4101. Wrottesley's A (which differs $0^s,54$ from Taylor's) is taken for the modern comparison.

4111. Bradley has no N.P.D., and it here depends solely on Bessel.

4112. The mean of Taylor, Pond and Groombridge (1859) is here adopted for the modern comparison in A, although their extreme difference is $1^s,87$.

4120. The mean A of Brisbane, Rumker, Taylor and Johnson is adopted for the modern comparison; but they are discordant.

4121. Bradley has no A, and it is here deduced from a comparison of Piazzi with modern observations.

4122. The position of this star depends solely on Groombridge (1863). [S.]

4123. Bradley's seven observations in A do not well accord; the extreme difference is 20″,7. This star was observed also by Airy (C) and (G), Groombridge (1862), and Pond (493).

4140. Bradley has no A, and it is here deduced from a comparison of Piazzi with modern observations.

4143. This star was also observed by Groombridge (1868). [S.]

4147. Bradley has no A, and it is here deduced from a comparison of Piazzi with modern observations.

4149. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

4150. This star, which is Bradley's N°. 1656, is the same star as Groombridge's 1871, and Argelander's 275. The present position is deduced wholly from Greenwich observations of 1838 and 1839, compared with the observations of these two latter astronomers, as there appears to be some doubt about Bradley's results.

4153. The position of this star depends entirely on the observation at page 64 of *Hist. Cél.* [S.]

4156. Bradley's three observations in A do not well accord; the extreme difference is 12″,9.

4160. The mean N.P.D. of Brisbane and Taylor (although they differ more than 5″) is taken for the modern comparison.

4165. Bradley's four observations in A do not well accord; the extreme difference is 247″,9. See Argelander's note to N°. 278 of his catalogue. There is a fifth observation by Bradley on Oct. 5, 1753. It was observed by Wollaston (i. 29).

4185. Bradley has no A, and it is here deduced from a comparison of Piazzi with modern observations.

4186. This is the star which Mr. Fallows calls α^1 *Crucis*; but as this designation has led to some mistakes,

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it is better to omit the Greek letter altogether. Its magnitude seems to be variable, for Lacaille considered it of the 7th, Brisbane of the 6th, Johnson of the 5th, and Taylor of the 4th. As Johnson says that it is not under the 5th, I have considered it to be $4\frac{1}{2}$ magnitude.

4187. This is the first of the two large stars forming the double star *α Crucis*. The second star differs from it about $+0^s,85$ in *A*R, and about $+3'',0$ in N.P.D. If the distinction of α^1 and α^2 *Crucis* is to be retained, it should be restricted to these two stars, the first of which only is here inserted, the position of the second being deduced from the differences above stated.

4194. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with Taylor.

4199. Bradley has no N.P.D., and it here depends wholly on Lalande (*Hist. Cél.*, page 64).

4205. The position of this star depends entirely on the observation at page 64 of *Hist. Cél.* [S.]

4206. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

4217. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

4218. This star is Zach 846, and he calls it 19 *Virginis*, but no such star exists. The star which he observed is to be found in *Hist. Cél.*, page 331, at $12^h\ 20^m\ 57^s$. It was observed also by Wrottesley (681).

4219. The position of this star depends entirely on Groombridge (1900). [S.]

4222. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

4231. The position of this star depends entirely on the observation at page 65 of *Hist. Cél.* [S.]

4241. Bradley has no declination; the N.P.D. is therefore here deduced from a comparison of Piazzi with Taylor.

4244. The approximate position of this nebula is derived from Argelander's *Uranometria Nova*. [S.]

4246. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

4250. Bradley has no declination; the N.P.D. is therefore here deduced from a comparison of Piazzi with Taylor. This star is designated as 23 *Virginis* by Piazzi and Bessel; but the star so called by Flamsteed does not exist.

4252. The mean N.P.D. of Brisbane and Taylor (although they differ more than $11''$) is taken for the modern comparison.

4265. The mean N.P.D. of Brisbane and Rumker is taken for the modern comparison. Taylor differs from Rumker nearly $10''$.

4268. This is a double star, each of the same magnitude, and Bessel has taken the *mean* of the two; which consequently is adopted in the comparisons.

4273. The mean N.P.D. of Brisbane and Taylor is adopted for the modern comparison. Rumker differs from Taylor upwards of $12''$.

4275. The mean N.P.D. of Brisbane and Taylor (although differing upwards of $6''$) is taken for the modern comparison.

4277. The position of this star depends solely on the observation at page 333 of *Hist. Cél.* [S.]

4285. Bessel thinks that Piazzi has made an error of $1'$ in the *A*R of this star, but his results agree with modern observations. It was observed also by Argelander (285), by Airy (G), and by Groombridge (1921).

4302. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

4303. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

4305. The position of this star depends solely on Groombridge (1930). [S.]

4311. The position of this star depends solely on Groombridge (1931). [S.]

4325. The mean *A*R of Taylor and Johnson (although discordant) is adopted for the modern comparison. It is a double star.

4328. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

4329. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

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4339. The mean of Taylor, Groombridge (1937), and Pond (520), is here adopted for the modern comparison in $\mathcal{R}$, although their extreme difference is $2^s,45$. This star is the companion of N°. 4342 of this catalogue.

4342. The mean of Taylor, Groombridge (1940), and Pond (521), is here adopted for the modern comparison in $\mathcal{R}$, although their extreme difference is $3^s,21$. This star is the companion of N°. 4339 of this catalogue.

4344. The mean N.P.D. of Brisbane and Taylor is adopted for the modern comparison. Rumker differs upwards of 12″ from Taylor.

4345. Bradley has no N.P.D., and it is here deduced from Airy (G). It is the companion to N°. 4346 of this catalogue.

4347. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

4348. Bradley has no N.P.D., and it here depends wholly on Groombridge (1941), Argelander (290), and Bessel (35).

4349. The position of this star has been deduced by precession from Lacaille only; it is probably the same as Brisbane's N°. 4260, or one of the stars there alluded to.

4360. Taylor's N.P.D. should be 58° 18′ 20″,92.

4364. The position of this star depends solely on the observation at page 68 of *Hist. Cél.* [S.]

4366. Bradley's two observations in $\mathcal{R}$ differ 15″,9, and Taylor differs from Groombridge (1948). Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

4368. The mean N.P.D. of Brisbane and Taylor (although differing upwards of 7″) is taken for the modern comparison.

4372. The mean N.P.D. of Brisbane and Rumker is here adopted, although they differ above 12″.

4374. The mean N.P.D. of Brisbane and Taylor (although they differ more than 6″) is taken for the modern comparison.

4378. The mean N.P.D. of Taylor and Brisbane (although they differ more than 9″) is taken for the modern comparison.

4386. The mean N.P.D. of Brisbane and Taylor (although they differ nearly 6″) is taken for the modern comparison. Rumker's N.P.D. appears to be erroneous about two years' precession.

4394. The position of this star depends wholly on Argelander (292). [S.]

4407. The position of this star depends entirely on Groombridge (1961). [S.]

4410. The N.P.D. of this star is brought up from Lacaille by precession alone, as Rumker has no observation of it in N.P.D.

4419. The mean N.P.D. of Brisbane and Taylor is adopted for the modern comparison. Rumker differs from Taylor nearly 9″.

4433. This star was observed also by Flamsteed (B.F 1824), and by Groombridge (1968).

4445. The position of this star depends entirely on the observation at page 154 of *Hist. Cél.* [S.]

4447. The mean N.P.D. of Brisbane and Rumker (although differing 16″) is taken for the modern comparison.

4457. The position of this star depends entirely on the observation at page 61 of *Hist. Cél.* [S.]

4461. The mean N.P.D. of Brisbane and Taylor (although differing above 11″) is taken for the modern comparison.

4462. Bradley has no $\mathcal{R}$, and it here depends solely on the observation at page 336 of *Hist. Cél.*

4465. The mean N.P.D. of Brisbane and Rumker (although they differ 7″) is taken for the modern comparison.

4468. The position of this star depends entirely on the observation at page 73 of *Hist. Cél.* [S.]

4470. The position of this star is wholly deduced from Bessel's zone 77. [S.]

4490. The mean N.P.D. of Brisbane and Taylor (although differing nearly 9″) is taken for the modern comparison.

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4497. Taylor's declination differs 6″ from Piazzi and Groombridge; it is therefore rejected, and the N.P.D. is here the mean of Piazzi and Groombridge.

4502. Taylor's declination is erroneous at least 2′; it is therefore rejected, and the N.P.D. is here deduced from a comparison of Mayer and Piazzi.

4503. The position of this star depends entirely on the observation at page 336 of *Hist. Cél.* [S.]

4510. This star was observed also by Flamsteed (B.F 1860) and Groombridge (2002). [S.]

4513. The position of this star depends entirely on the observation at page 471 of *Hist. Cél.* [S.]

4520. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

4525. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

4526. The position of this star depends entirely on the observation at page 471 of *Hist. Cél.* [S.]

4536. This star was also observed by Groombridge (2014). It is B.H 367.

4540. Bradley's N.P.D. is compared with Taylor's only, as there appears to be some error in Groombridge's reductions.

4542. The mean N.P.D. of Brisbane and Rumker (although differing 6″) is taken for the modern comparison.

4544. The position of this nebula has been deduced from Lacaille by precession alone, there being no modern observation. [S.]

4546. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

4550. Bradley has no *A*R, and it here depends solely on Bessel (36).

4552. The position of this star depends entirely on the observation at page 164 of *Hist. Cél.* [S.]

4555. Bradley has no *A*R, and it here depends solely on Bessel (37).

4559. This star was observed also by Flamsteed (B.F 1872), and its position is here wholly deduced from the observation at page 469 of *Hist. Cél.* [S.]

4564. Bradley's two observations in *A*R differ 9″,2. His N.P.D. is compared with Taylor only, as there appears to be some error in Groombridge's reductions.

4568. Bradley's N.P.D. is compared with Taylor's only, as there appears to be some error in Groombridge's reductions.

4575. The position of this star depends entirely on Argelander (310). [S.]

4580. The mean N.P.D. of Brisbane and Taylor is adopted for the modern comparison. Rumker differs 9″ from Taylor.

4586. Brisbane's N.P.D. (which differs 6″ from Taylor's) is adopted for the modern comparison.

4587. The position of this star depends wholly on Groombridge (2039). [S.]

4591. The position of this star depends entirely on the observation at page 154 of *Hist. Cél.* [S.]

4595. The position of this star depends wholly on Groombridge (2043). [S.]

4600. The position of this star depends wholly on Groombridge (2047). [S.]

4605. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations. His N.P.D. is compared with Taylor's only, as there appears to be some error in Groombridge's reductions.

4606. The position of this star depends entirely on the observation in Bessel's zone 413. [S.]

4610. The position of this star depends entirely on the observation in Bessel's zone 413. [S.]

4614. This star was observed also by Pond (551). [S.]

4620. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.

4621. The position of this star depends entirely on the observation at page 71 of *Hist. Cél.* [S.]

4627. The position of this star depends entirely on the observation at page 61 of *Hist. Cél.* [S.]

4628. The position of this star depends entirely on the observation at page 61 of *Hist. Cél.* [S.]

4630. The mean N.P.D. of Brisbane, Taylor and Rumker is taken for the modern comparison. Taylor differs about 6″ from the mean of the other two.

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4631. The mean N.P.D. of Brisbane and Taylor (although differing 6″) is taken for the modern comparison.

4632. The position of this star depends entirely on the observation at page 61 of *Hist. Cél.* [S.]

4639. The position of this star is here wholly deduced from Zach, but it was also observed by Lalande. See *Hist. Cél.*, page 233.

4646. Bradley's two observations in $\mathcal{R}$ differ 7″,2.

4647. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

4649. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. His N.P.D. is compared with Taylor's only, as there appears to be some error in Groombridge's reductions.

4650. The mean N.P.D. of Brisbane and Taylor (although differing nearly 8″) is taken for the modern comparison.

4652. The position of this star depends entirely on the observation at page 162 of *Hist. Cél.* [S.]

4677. The position of this star depends entirely on the observation at page 69 of *Hist. Cél.* [S.]

4678. The position of this star depends entirely on the observation at page 69 of *Hist. Cél.* [S.]

4680. This star was also observed by Mayer (557), who has been taken as the old authority. [S.]

4682. The position of this star depends entirely on the observation at page 160 of *Hist. Cél.* [S.]

4684. This star was also observed by Groombridge (2073). [S.]

4691. This star was also observed by Mayer (561). [S.]

4694. The position of this star depends entirely on the observation at page 69 of *Hist. Cél.* [S.]

4699. This star was also observed by Flamsteed (B.F 1936).

4700. Brisbane's N.P.D. differs nearly 16″ from Taylor's, it is therefore rejected. This star was also observed by Mayer (562), who has been taken as the old authority.

4701. Bradley's N.P.D. is compared with Taylor's only, as there appears to be some error in Groombridge's reductions.

4711. Bradley has no observation in $\mathcal{R}$, and its position is here deduced from the Greenwich observations for 1839, which also furnish the modern comparison for the N.P.D.

4712. The mean N.P.D. of Brisbane and Rumker (although differing 6″) is taken for the modern comparison.

4713. This star was also observed by Flamsteed (B.F 1941). [S.]

4718. Taylor's $\mathcal{R}$ is evidently erroneous; the $\mathcal{R}$ is therefore here the mean of Piazzi and Groombridge reduced to 1850.

4720. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

4723. The position of this star depends entirely on the observation at page 165 of *Hist. Cél.* [S.]

4732. This star was observed by Groombridge (2091) and Pond (564). [S.]

4733. Bradley's four observations in $\mathcal{R}$ do not well accord: the extreme difference is 24″,9.

4736. The position of this star is wholly deduced from the Greenwich observations for 1839. [S.]

4737. The position of this star is deduced from the observation in *Hist. Cél.*, page 74.

4738. The position of this star depends entirely on the observation at page 129 of *Hist. Cél.* [S.]

4747. This star was also observed by Flamsteed (B.F 1959). [S.]

4752. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. This star was also observed by Groombridge (2096).

4756. The position of this star depends wholly on the Greenwich observations for 1839. [S.]

4763. Brisbane's N.P.D. (which differs 10″ from Taylor's) is here taken for the modern comparison.

4766. This star was also observed by Flamsteed (B.F 1968). [S.]

4772. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Mayer with modern observations.

4773. This star was also observed by Flamsteed (B.F 1971). [S.]

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4776. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]
4778. The position of this star depends wholly on Groombridge (2104). [S.]
4783. The position of this star depends wholly on Groombridge (2109). [S.]
4788. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]
4790. The AR of this star is brought up from Johnson alone by Bessel's formula.
4796. The mean N.P.D. of Brisbane and Rumker (although differing above 7″) is taken for the modern comparison.
4797. The position of this star depends entirely on the observation at page 164 of *Hist. Cél.* [S.]
4800. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]
4809. The position of this star depends entirely on the observation at page 335 of *Hist. Cél.* [S.]
4816. The position of this star depends wholly on Groombridge (2121). [S.]
4820. The position of this star depends entirely on the observation at page 162 of *Hist. Cél.* [S.]
4828. This star was observed also by Airy (C), Wrottesley (785), and Argelander (331). Argelander's declination is erroneous 1°.
4830. The position of this star depends wholly on Argelander (333). [S.]
4831. The position of this star is deduced from the following one, assuming the difference between them to be as indicated by Johnson in the notes to his catalogue. [S.]
4840. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]
4841. The position of this star depends wholly on Groombridge (2135). [S.]
4851. The mean N.P.D. of Brisbane and Taylor (although differing 6″) is taken for the modern comparison.
4853. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.
4857. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]
4863. The position of this star depends entirely on the observation at page 164 of *Hist. Cél.* [S.]
4866. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]
4869. Bradley has no AR, and it is here deduced from a comparison of Piazzi with Taylor.
4870. The position of this star depends wholly on Groombridge (2145). [S.]
4871. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]
4880. Taylor's N.P.D. (which differs about 20″ from Brisbane's) is here taken for the modern comparison.
4882. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations. This star was observed by Wrottesley (793), but Brisbane's is the only modern observation that has the N.P.D.
4884. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]
4885. This star is also Groombridge 2149. [S.]
4888. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]
4896. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
4897. The position of this star depends wholly on Groombridge (2152). [S.]
4902. This star was also observed by Flamsteed (B.F 2030). [S.]

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4906. This star was also observed by Flamsteed (B.F 2033) and by Groombridge (2154); the position is wholly deduced from the latter. [S.]

4908. The mean N.P.D. of Brisbane and Taylor (although differing 9″) is taken for the modern comparison.

4909. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

4910. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

4916. The mean N.P.D. of Brisbane and Taylor (although differing 8″) is taken for the modern comparison.

4917. The position of this star depends wholly on Groombridge (2162). [S.]

4920. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

4934. The position of this star is deduced from Argelander's Notes, *Ast. Nach.*, N°. 226. [S.]

4942. The position of this star depends entirely on the observation at page 9 of *Hist. Cél.* [S.]

4943. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

4949. Piazzi's declination appears to be erroneous 2′; it has been here assumed +66° 43′ 52″,6. The star was observed also by Groombridge (2177) and Pond (596).

4950. This star is B.F 2048, also Pond 594. [S.]

4952. The position of this star depends wholly on Groombridge (2176). [S.]

4959. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

4961. This star was also observed by Flamsteed (B.F 2058). [S.]

4962. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

4965. The position of this star depends entirely on the observation at page 353 of *Hist. Cél.* [S.]

4972. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

4976. The mean N.P.D. of Brisbane and Rumker (although differing 7″) is taken for the modern comparison.

4977. The mean N.P.D. of Brisbane, Taylor and Rumker is taken for the modern comparison, although Taylor and Rumker differ 11″.

4979. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

4980. Bradley has no N.P.D., and it here depends solely on Groombridge (2188).

4983. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

4985. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

4992. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]

4997. The position of this star depends entirely on the observation at page 342 of *Hist. Cél.* [S.]

4998. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5000. The position of this star depends entirely on the observation at page 162 of *Hist. Cél.* [S.]

5001. The position of this star depends entirely on the observation at page 166 of *Hist. Cél.* [S.]

5005. The mean *A*R of Johnson, Rumker and Taylor is taken for the modern comparison; but Taylor differs nearly 1ˢ,0 from the others.

5010. The N.P.D. of Taylor is here taken for the modern comparison. Brisbane differs therefrom above 30″.

5018. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

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5020. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5027. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5037. The AR of this star is first reduced from Lacaille to Brisbane by Bessel's formula; then with Brisbane's AR, and the proper motion thus deduced, the AR is here obtained.

5038. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5039. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5041. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5045. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5048. This star was also observed by Flamsteed (B.F 2087) and Wrottesley (818). [S.]

5049. The mean AR of Taylor, Johnson and Rumker is taken for the modern comparison; but they are not accordant.

5050. The mean N.P.D. of Brisbane and Taylor (although differing 7″) is taken for the modern comparison.

5051. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5056. The mean AR of Taylor and Johnson (although differing more than $0^s,5$) is taken for the modern comparison.

5058. This star was also observed by Groombridge (2214), on whom its position entirely depends. [S.]

5062. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5071. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]

5079. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations. This star was also observed by Groombridge (2228) and Pond (609).

5080. The mean N.P.D. of Brisbane and Rumker (although differing above 8″) is taken for the modern comparison.

5082. Brisbane's declination appears to be erroneous about 10″; the N.P.D. is therefore here deduced from a comparison of Piazzi and Taylor.

5091. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]

5094. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

5097. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations. This star was observed also by Groombridge (2235) and Pond (613).

5105. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5106. The mean N.P.D. of Brisbane and Rumker (although differing above 13″) is taken for the modern comparison.

5108. Brisbane's N.P.D. is taken for the modern comparison, Rumker's differing 5′.

5110. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5111. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5117. The N.P.D. for the modern comparison is deduced from Brisbane alone, as Taylor appears to be 5′ in error.

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5121. The mean N.P.D. of Brisbane and Airy (which differs upwards of 14″ from Taylor's) is here taken for the modern comparison.

5127. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5128. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5129. This star was also observed by Flamsteed (B.F 2110) and by Lalande. Its position depends on the observation at page 288 of *Hist. Cél.* [S.]

5131. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

5133. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5140. The $\mathcal{R}$ of this star is brought up from Groombridge (2283) by Bessel's formula.

5142. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5146. Bradley's three observations in $\mathcal{R}$ do not well accord; the extreme difference is 17″,4.

5153. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

5160. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. This is one of Flamsteed's stars (B.F. 2119), and is called by him γ *Lupi*.

5173. The mean N.P.D. of Brisbane and Taylor (who, however, differ about 8″) is here taken for the modern comparison.

5175. This star was also observed by Airy (G. obs. 1836), who is adopted for the modern comparison in N.P.D., but the $\mathcal{R}$ depends wholly on Groombridge (2258). [S.]

5177. This star was also observed by Groombridge (2259). [S.]

5182. The mean N.P.D. of Brisbane and Rumker (although differing above 6″) is taken for the modern comparison.

5188. Bradley has no $\mathcal{R}$, and it here depends wholly on modern observations.

5191. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. The star was also observed by Pond (630).

5193. The mean N.P.D. of Brisbane and Rumker (although differing 6″) is taken for the modern comparison.

5198. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5199. The mean N.P.D. of Brisbane and Taylor (although differing 6″) is taken for the modern comparison; the error of 1′ in Brisbane's catalogue being first corrected.

5200. The N.P.D. is deduced from Brisbane and Taylor (although they differ about 11″), to the exclusion of Rumker, who appears to be 1′ in error.

5210. This star was also observed by Airy (G. obs. 1837), who has been adopted for the modern comparison in $\mathcal{R}$, but the N.P.D. depends wholly on Groombridge (2270).

5211. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5212. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5220. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5221. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

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5227. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. It is one of Flamsteed's stars (B.F 2149), who designates it as λ *Lupi*.

5228. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5243. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5248. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]

5249. This star was also observed by Groombridge (2280). [S.]

5253. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

5258. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5260. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

5265. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

5266. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5275. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5281. The position of this star depends entirely on the observation at page 343 of *Hist. Cél.* [S.]

5283. The mean N.P.D. of Brisbane and Taylor (although differing above 7″) is taken for the modern comparison.

5285. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. It was also observed by Groombridge (2294), Argelander (374), and Pond (649).

5286. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5287. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

5288. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5291. The position of this star has been derived from the observations in Bessel's zones 246 and 249. [S.]

5294. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5296. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5297. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5298. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

5304. Bradley's two observations in N.P.D. differ 18″,2. If we compare them with modern observations, it will be seen that the second (made on June 20, 1754) was the correct one; and that the first is probably erroneous by one division of the nonius, or 13″,2, which being added to the first observation, will make the mean declination equal to $-15^\circ\ 47'\ 31''{,}0$; and which is the value here assumed in the computations.

5312. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5317. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5319. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

5321. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

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5326. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5327. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.

5335. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5343. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

5344. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

5345. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5348. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. It was observed also by Groombridge (2304), Argelander (378), and Pond (659).

5349. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5354. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5356. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5364. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5365. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5368. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

5369. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

5371. Taylor says that he looked for this star once but could not find it; and he thinks that Brisbane has made a mistake of 2^m, and that it ought to be N°. 5384 in this catalogue.

5378. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5380. The mean N.P.D. of Brisbane and Taylor (which however differ above 6″) is taken for the modern comparison. See the note to N°. 5381.

5381. Bradley's difference in $\mathcal{R}$ between this star and N°. 5380 of this catalogue, is not confirmed by Mayer or by Piazzi. It is to be regretted that no modern astronomer has observed *both* these stars so as to throw some light on this discordance.

5384. Taylor thinks that this is the true star observed by Brisbane (5622), and that he has made an error of 2^m in $\mathcal{R}$. See the note to N°. 5371 of this catalogue.

5388. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

5389. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5391. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5393. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5394. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5400. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. It was also observed by Groombridge (2316) and Argelander (382).

5408. The position of this star depends entirely on the observation at page 342 of *Hist. Cél.* [S.]

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5409. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5412. The $A\!R$ of this star is brought up by Bessel's formula from Johnson alone. Brisbane's N.P.D. is also rejected, as it differs above 10″ from Johnson's.

5415. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]

5416. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5418. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5421. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5424. The mean N.P.D. of Brisbane and Rumker (although differing above 9″) is taken for the modern comparison.

5430. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5431. Bradley has no $A\!R$, and it here depends wholly on modern observations. It was observed also by Airy (C).

5433. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5434. Bradley has no $A\!R$, and it is here deduced from a comparison of Piazzi with modern observations.

5441. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5449. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5450. The mean N.P.D. of Brisbane and Rumker (although differing above 8″) is taken for the modern comparison.

5452. The position of this star depends entirely on the observation at page 468 of *Hist. Cél.* [S.]

5454. There is some confusion in Rumker's catalogue relative to this star; his annual precession in $A\!R$ does not correspond either with 63° or 69° declination.

5455. This star was observed by Lacaille with the rhomboidal micrometer on April 13, 1752, at $16^h\ 7^m\ 41^s$; it is not to be found in any modern catalogue, and the position has been deduced by precession alone.

5462. Bradley has no $A\!R$, and it is here deduced from a comparison of Piazzi with modern observations: there is great discordance in the $A\!R$ of this star; Wollaston differs $3^s{,}0$ from Piazzi, and Pond (675) differs as much from the mean of Groombridge (2334) and Taylor. It was observed also by Airy (G).

5463. Bradley has no $A\!R$, and it is here deduced from a comparison of Piazzi with modern observations. It was also observed by Groombridge (2331), Pond (672), and Airy (G).

5468. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5471. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5473. Bradley has no $A\!R$, and it is here deduced from a comparison of Piazzi with modern observations.

5475. Bradley has no $A\!R$, and it is here deduced from a comparison of Piazzi with modern observations.

5476. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5490. Bradley has no $A\!R$, and it is here deduced from a comparison of Piazzi with modern observations. It is the same star as 51 *Serpentis*.

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5491. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5493. The position of this star depends entirely on the observation at page 291 of *Hist. Cél.* [S.]

5494. The position of this star depends entirely on the observation at page 290 of *Hist. Cél.* [S.]

5497. This star was also observed by Airy (G), who has been taken for the modern comparison. [S.]

5504. The position of this star depends entirely on the observation at page 81 of *Hist. Cél.* [S.]

5507. The position of this star depends entirely on the observation at page 81 of *Hist. Cél.* [S.]

5511. Bradley has no Æ, and it is here deduced from a comparison of Piazzi with modern observations.

5512. Bradley has no Æ, and it is here deduced from a comparison of Piazzi with modern observations.

5518. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5521. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.

5522. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5524. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5526. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5527. The position of this star depends entirely on the observation at page 468 of *Hist. Cél.* [S.]

5529. The position of this star depends entirely on the observation at page 84 of *Hist. Cél.* [S.]

5530. The position of this star depends entirely on the observations at pages 348 and 469 of *Hist. Cél.* [S.]

5535. Bradley has no Æ, and it is here deduced from a comparison of Piazzi with modern observations.

5537. The position of this star depends entirely on the observation at page 84 of *Hist. Cél.* [S.]

5541. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

5542. The mean N.P.D. of Brisbane and Taylor (although differing 7″) is taken for the modern comparison.

5545. Bradley has no Æ, and it is here deduced from a comparison of Piazzi with modern observations. It was also observed by Groombridge (2359), Pond (695), and Airy (G).

5550. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5556. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5557. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5561. The mean N.P.D. of Brisbane and Taylor (although differing nearly 6″) is taken for the modern comparison.

5562. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S]

5564. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5569. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5570. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

5571. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

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5572. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

5576. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

5580. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Mayer with modern observations.

5586. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

5588. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

5589. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

5592. Taylor's N.P.D. differs above 8″ from Groombridge's, it is therefore rejected. The N.P.D. is here deduced from a comparison of Groombridge with Piazzi.

5595. The $\mathcal{R}$ of this star is brought up by precession alone from Lacaille, as Brisbane has no observation of it in $\mathcal{R}$.

5596. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. It was also observed by Groombridge (2368) and Airy (G).

5597. The position of this star depends entirely on the observation at page 169 of *Hist. Cél.* [S.]

5600. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

5605. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

5606. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

5608. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

5611. Taylor's N.P.D. differs 8″ from Groombridge's, it is therefore rejected, and the N.P.D. is here deduced from a comparison of Groombridge with Piazzi.

5612. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

5614. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

5615. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]

5616. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

5620. The position of this star depends entirely on the observation at page 81 of *Hist. Cél.* [S.]

5622. The position of this star is derived from Lacaille by precession alone, there being no modern observation. [S.]

5624. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

5625. All that we know of the first introduction of this star is, that its right ascension was observed by Bradley on April 25, 1750, when 19 *Ophiuchi* was in the field of view; which star it preceded 14 seconds of time. It does not appear that any observation of its zenith distance was noted by Bradley; consequently our only guide for its position is the interval of time between its transit and that of 19 *Ophiuchi* above mentioned.

Bessel has, in his *Fund. Astron.*, referred to Lalande's *Histoire Céleste*, page 291, for an observation of this star, where he has quoted $16^h\ 16^m\ 34^s$, instead of $16^h\ 36^m\ 34^s$, which is the correct reading. It should be noted, however, that in the *Histoire Céleste* the times of the transit of this star and of 19 *Ophiuchi* should be transposed, the zenith distances remaining the same as they are there printed. Bessel seems to have been aware of this error. Piazzi, in his note to 19 *Ophiuchi* (xvi. 180), says that three stars accompany it; that the first of these contiguous stars precedes 19 *Ophiuchi* 30^s and 15′ to the north, that the next precedes it 15^s and 10′ to the north,

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and that the last follows it 14^s and $4'$ to the north. All these stars are recorded in the *Histoire Céleste*, page 291, and with the correction of the error above alluded to their positions for 1800 will be respectively as follows, viz.—

	h	m	s	°	′	″
	16	36	33,3	+2	41	32
B 2134 =	16	36	49,8	2	36	47
19 *Oph.* =	16	37	4,5	2	26	14
	16	37	19,6	2	31	52

It is evident that the second star here given is the only one that will correspond with Bradley's observations, and I have therefore nominated it as such. The *Æ*R was observed by Airy (G), but was not adopted for the modern comparison. The position depends entirely on Bradley.

5630. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5634. The position of this star depends entirely on the observation at page 84 of *Hist. Cél.* [S.]

5640. This star is not the correct μ^2 of Bayer, which belongs to N°. 5651 in this catalogue; but as it has been so designated by Lacaille, and is now generally adopted, I have here retained the designation.

5641. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5645. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5647. The position of this star depends entirely on the observation at page 83 of *Hist. Cél.* [S.]

5650. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5651. This star is the correct μ^2 of Bayer. See note to N°. 5640.

5653. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5662. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5665. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5667. Bradley's two observations in *Æ*R differ $8''{,}9$; yet modern observations confirm the mean taken by Bessel.

5669. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5670. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5672. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5673. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5676. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5678. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5679. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5680. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

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5684. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5685. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5686. The position of this star wholly depends on Airy (G). [S.]

5687. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5688. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. It was also observed by Airy (G). [S.]

5690. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5694. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5698. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

5702. Bradley's declination in *Fund. Astron.* is erroneous 10° : evidently a typographical error.

5704. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5709. Bradley has no N.P.D., and the $\mathcal{R}$ also appears to be $1^s,0$ too small, both as compared with Mayer and with modern observations. The position of the star is therefore deduced from a comparison of Mayer instead of Bradley. It was observed by Bradley on June 3, 1758.

5710. Taylor has no declination of this star; its N.P.D. therefore here depends solely on Piazzi.

5716. The position of this star depends entirely on the observation at page 81 of *Hist. Cél.* [S.]

5725. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5726. The position of this star depends entirely on the observation at page 89 of *Hist. Cél.* [S.]

5730. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5732. The position of this star depends entirely on the observation at page 81 of *Hist. Cél.* [S.]

5737. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5738. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5739. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5741. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5742. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5743. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5744. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

5745. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

5746. Taylor's $\mathcal{R}$ differs $1^s,22$ from Wrottesley (900), it is therefore rejected.

5750. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5756. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

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5757. Wrottesley's $\mathcal{A}$R (which differs $0^s,62$ from Taylor's) is here taken for the modern comparison.

5762. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5763. Bradley has no $\mathcal{A}$R, and it is here deduced from a comparison of Piazzi with Taylor.

5766. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5767. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5768. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5773. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5776. Taylor has no $\mathcal{A}$R of this star, and it here depends solely on Piazzi.

5777. Bradley has no $\mathcal{A}$R, and it here depends solely on the observation in page 293 of *Hist. Cél.*, which has also furnished the modern comparison for N.P.D. [S.]

5778. The mean $\mathcal{A}$R of Taylor and Johnson (although differing above $0^s,6$) is taken for the modern comparison.

5785. Bradley's two observations in $\mathcal{A}$R differ $8'',4$. It was observed also by Groombridge (2214) and Pond (718). [S.]

5787. The position of this star depends entirely on the observation at page 86 of *Hist. Cél.* [S.]

5791. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5792. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5793. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5796. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5798. This star is considered as anonymous by Piazzi and Bessel, but it is the star intended to be designated by Flamsteed as 63 *Herculis*. See Baily's 'Flamsteed,' page 612. Bradley has no $\mathcal{A}$R, and it is here deduced from a comparison of Piazzi with modern observations.

5799. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5800. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. It was observed also by Airy (G). It is called 29 *Ophiuchi* by Flamsteed. [S.]

5809. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5813. Bradley has no $\mathcal{A}$R, and it is here deduced from a comparison of Mayer with modern observations. It is designated 30 *Scorpii* by Bradley. [S.]

5814. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5815. Bradley has no N.P.D., and it here depends solely on the observation at page 566 of *Hist. Cél.*, which has also furnished the modern comparison for $\mathcal{A}$R. [S.]

5816. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5818. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

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5819. The N.P.D. is brought up by precession from Lacaille alone, as Brisbane appears to have erroneously annexed the S.P.D. of his N°. 6020 to N°. 6022.

5820. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5824. The N.P.D. of this star is brought up by precession alone from Piazzi, as Taylor has no observation of it in declination.

5826. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5831. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

5833. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5835. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5838. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5848. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5849. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5854. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]

5861. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5869. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5878. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5879. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5881. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

5882. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5883. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

5890. This star was also observed by Flamsteed (B.F 2389). [S.]

5892. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5894. The position of this star depends entirely on the observation at page 88 of *Hist. Cél.* [S.]

5895. Bradley has no N.P.D., and it here depends solely upon the observation at page 79 of *Hist. Cél.*, which has also furnished the modern comparison for $\mathcal{R}$. [S.]

5898. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5910. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]

5914. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5915. Bradley's five observations in N.P.D. do not well accord; the extreme difference is 51″,2.

5916. The position of this star has been derived from Lacaille by precession alone, there being no modern observation. [S.]

5917. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]

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5934. This star was observed by Lacaille, with the rhomboidal micrometer, on August 23, 1751, at $17^h\ 12^m\ 33^s$. It is not to be found in any modern catalogue, and its position is therefore deduced from precession alone.

5936. The AR of this star has been brought up, by Bessel's formula, from Johnson alone.

5939. Argelander thinks that Piazzi's AR of this star is about $0^s,5$ too small.

5940. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

5942. Taylor's declination in his vol. iii. is right, and does not require the correction pointed out at the end of his vol. iv.

5943. The position of this star depends entirely on Lacaille. [S.]

5945. The position of this star depends entirely on Lacaille. [S.]

5946. The position of this star depends entirely on Lacaille. [S.]

5949. The mean N.P.D. of Pond (744), Johnson and Taylor, is taken for the modern comparison, although they do not well accord. It was also observed by Airy (C) and (G) [S.]

5952. The position of this star depends entirely on Lacaille. [S.]

5955. The position of this star depends entirely on Lacaille. [S.]

5956. The position of this star depends entirely on Lacaille. [S.]

5961. The position of this star depends entirely on Lacaille. [S.]

5964. Taylor has no observation of this star in AR, the modern comparison is therefore here made with Brisbane.

5966. The position of this star depends entirely on Lacaille. [S.]

5973. The position of this star depends entirely on Lacaille. [S.]

5977. The position of this star depends entirely on Lacaille. [S.]

5983. The position of this star depends entirely on Lacaille. [S.]

5988. Bradley has no AR, and it is here deduced from a comparison of Piazzi with Taylor.

5989. The position of this star depends entirely on Lacaille. [S.]

5990. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations. It was also observed by Groombridge (2455) and Pond (751). [S.]

5999. Argelander says that Bessel has applied the correction of $-13'',2$, in declination, to the wrong observation of Bradley; and that if this were corrected, the declination in the *Fund. Astron.* would be $+24^\circ\ 42'\ 18'',9$, which would agree better with modern observations.

6001. Bradley has no AR, and it is here deduced from a comparison of Piazzi with modern observations.

6009. The mean N.P.D. of Brisbane and Taylor (although differing above $8''$) is taken for the modern comparison.

6011. The position of this star depends entirely on Lacaille. [S.]

6017. The N.P.D. of this star is brought up by precession alone from Piazzi, as Taylor has no observation of it in declination.

6018. This star was also observed by Pond (755). [S.]

6023. The position of this star depends entirely on Lacaille. [S.]

6027. Taylor has no N.P.D., Piazzi therefore is here compared with Mayer.

6032. The position of this star depends entirely on Lacaille. [S.]

6035. The position of this star depends entirely on the observation at page 86 of *Hist. Cél.* [S.]

6038. Taylor's declination appears to be erroneous about $10''$; it is therefore rejected, but the result in his fifth vol. (3091) confirms the one in his third (2234).

6039. The position of this star depends entirely on Lacaille. [S.]

6042. This is assumed to be Piazzi's star, although he has located it in *Hercules*.

6044. The position of this star depends entirely on Lacaille. [S.]

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6047. Pond's $\mathcal{R}$ is not included in the modern comparisons. It was also observed by Groombridge (2475) and Argelander (417). [S.]
6048. Pond's $\mathcal{R}$ is not included in the modern comparisons. This is the companion of the preceding star.
6053. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor. [S.]
6057. The position of this star depends entirely on Lacaille. [S.]
6058. The position of this star depends entirely on Lacaille. [S.]
6059. The position of this star depends entirely on Lacaille. [S.]
6062. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.
6063. The position of this star depends entirely on Lacaille. [S.]
6064. Taylor has no N.P.D. Piazzi therefore is here compared with Mayer.
6066. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.
6070. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.
6072. The position of this star depends entirely on Lacaille. [S.]
6076. The position of this star depends entirely on Lacaille. [S.]
6080. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
6084. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.
6089. Bradley's declination in the *Fund. Astron.* should be + 4° 24′ 14″,2. His three observations were made on July 14, 15, and August 1, 1754.
6096. The N.P.D. is deduced from a comparison of Piazzi with Airy (G).
6097. Bradley's three observations in $\mathcal{R}$ do not well accord (the extreme difference is 13″,9); but the mean agrees very well with the mean of the two observations by Mayer.
6108. The position of this star depends entirely on Lacaille. [S.]
6113. The position of this star depends entirely on Lacaille. [S.]
6114. The mean of Taylor, Airy, Argelander, Groombridge and Pond, is adopted for the modern comparison in $\mathcal{R}$, although their extreme difference is 1ˢ,09. Piazzi says that Flamsteed did not observe this star; but it is the star designated by him as 35 *Draconis*. See Baily's 'Flamsteed,' page 619.
6118. The mean N.P.D. of Brisbane and Taylor is adopted (although they differ above 7″).
6119. This star was observed by Lacaille, with the rhomboidal micrometer, on August 23, 1751, at $17^h\ 36^m\ 33^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.
6122. Bradley's three observations in $\mathcal{R}$ do not well accord: the extreme difference is 36″,2.
6130. The position of this star depends entirely on Lacaille. [S.]
6131. The position of this star depends entirely on Lacaille. [S.]
6132. The position of this star depends entirely on Lacaille. [S.]
6137. Bradley has no $\mathcal{R}$, and it here depends solely on the observation at page 94 of *Hist. Cél.*
6139. The position of this star depends on Lacaille alone. [S.]
6144. The position of this star depends on Lacaille alone. [S.]
6152. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. This is the companion to N°. 6151.
6158. The position of this star depends entirely on the observation at page 172 of *Hist. Cél.* [S.]
6160. The position of this star depends entirely on Lacaille. [S.]
6161. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.
6163. The position of this star depends entirely on Lacaille. [S.]
6165. The position of this star depends entirely on the observation at page 173 of *Hist. Cél.* [S.]
6166. The position of this star depends entirely on Lacaille. [S.]
6168. This star is also Pond 781. [S.]

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6173. The position of this star depends entirely on Lacaille. [S.]
6174. The mean N.P.D. of Brisbane and Taylor (although differing above 7″) is taken for the modern comparison.
6175. The position of this star depends entirely on Lacaille. [S.]
6177. Bradley has no *A*R, and it here depends solely on Bessel (38).
6181. The position of this star depends entirely on Lacaille. [S.]
6182. The position of this star depends entirely on Lacaille. [S.]
6186. This star is called *β Telescopii* by Lacaille.
6187. The position of this star depends wholly on Lacaille. [S.]
6188. The position of this star depends wholly on Lacaille. [S.]
6190. The position of this star depends wholly on Lacaille. [S.]
6192. The position of this star depends wholly on Lacaille. [S.]
6196. Bradley has no *A*R, and it here depends solely on Lalande (*Hist. Cél.*, page 98).
6197. Bradley has no *A*R, and it here depends solely on Lalande (*Hist. Cél.*, page 296).
6199. The position of this star depends wholly on Lacaille. [S.]
6201. The approximate position of this nebula has been derived from Argelander's *Uranometria Nova.* [S.]
6202. The position of this star depends wholly on Lacaille. [S.]
6204. The position of this star depends wholly on Lacaille. [S.]
6208. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. It was observed by Groombridge (2547) and Pond (63). [S.]
6210. Bradley has no N.P.D., and it is here deduced from Taylor.
6212. The position of this star depends wholly on Lacaille. [S.]
6213. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]
6214. The position of this star depends wholly on Lacaille. [S.]
6217. The position of this star depends wholly on Lacaille. [S.]
6220. The position of this star depends wholly on Lacaille. [S.]
6222. The position of this star depends wholly on Lacaille. [S.]
6232. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with Taylor.
6236. The position of this star depends wholly on Lacaille. [S.]
6240. This star was observed by Ptolemy, and located by him in the constellation *Corona Australis* (B.P 998), but at the same time he designates it as *ἑκτορ*, and as it is now better known by Lacaille's designation, I have in this case deviated from the general rule.
6241. Bradley has no *A*R, and it here depends wholly on modern observations. It was observed by Airy (C) and (G). [S.]
6244. The position of this star depends wholly on Lacaille. [S.]
6245. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]
6249. The position of this star depends wholly on Lacaille. [S.]
6256. The position of this star depends wholly on Lacaille. [S.]
6260. The position of this star depends wholly on Lacaille. [S.]
6261. The position of this star depends wholly on Lacaille. [S.]
6264. The position of this star depends wholly on Lacaille. [S.]
6266. The position of this star depends wholly on Lacaille. [S.]
6270. The position of this star depends wholly on Lacaille. [S.]
6271. The position of this star depends wholly on Lacaille. [S.]
6279. Bradley has no *A*R, and it here depends wholly on modern observations.
6280. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]
6283. The position of this star depends wholly on Lacaille. [S.]

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6284. Bradley has no $\mathcal{R}$, and it here depends wholly on modern observations.

6286. The position of this star is deduced from Airy (C), N°. 547.

6288. Argelander has stated (page 77) that the declination of this star in Bessel's *Fund. Astron.* ought to be $+71^\circ\ 23'\ 24''{,}1$, which is the value here assumed. It was observed by Bradley on Jan. 4, 1752.

6295. The position of this star depends wholly on Lacaille. [S.]

6303. Bradley's $\mathcal{R}$ in the *Fund. Astron.* should be $274^\circ\ 35'\ 39''{,}6$, which has been here assumed; it is the star observed by him on August 9, 1755, at $18^h\ 18^m\ 15^s$. He has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 298).

6304. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. Piazzi calls this star 24 *Sagittarii*, but this designation belongs to Piazzi (xviii. 105). See Baily's 'Flamsteed,' page 620.

6306. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations. It was also observed by Airy (G). [S.]

6310. The position of this star depends wholly on Lacaille. [S.]

6313. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

6314. Bradley has only one observation in $\mathcal{R}$ which does not well accord with Mayer's single observation. Bradley's observation was made on August 14, 1754, and Mayer's on August 14, 1757. Mayer is probably the most accurate, which would make the $\mathcal{R}$ in the present catalogue different.

6319. The position of this star depends wholly on Lacaille. [S.]

6320. Airy's $\mathcal{R}$ (which is less than Taylor's by 2^s) is here taken for the modern comparison, and the reductions are made by Bessel's formula.

6321. The position of this star depends wholly on Lacaille. [S.]

6324. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

6326. This nebula or nebulous star has not been observed by any modern astronomer, its position is therefore brought up by precession from Lacaille.

6327. The position of this star depends wholly on Lacaille. [S.]

6331. The position of this star depends wholly on Lacaille. [S.]

6334. The position of this star depends wholly on Lacaille. [S.]

6336. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations. It was also observed by Airy (G).

6338. The position of this star depends wholly on Lacaille. [S.]

6339. The position of this star depends wholly on Lacaille. [S.]

6342. The position of this star depends wholly on Lacaille. [S.]

6344. The position of this star depends wholly on Lacaille. [S.]

6345. The position of this star depends wholly on Lacaille. [S.]

6346. The position of this star depends wholly on Lacaille. [S.]

6347. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

6348. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

6349. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

6350. This is one of the stars by means of which (together with β and γ *Draconis*) Mayer determined the position of his quadrant when he reversed it in July and August 1756. It has since been observed by Airy (G).

6351. The position of this star wholly depends on Lacaille. [S.]

6352. The mean $\mathcal{R}$ of Taylor and Johnson (which differs $0^s{,}64$ from Maclear) is taken for the modern comparison.

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6354. The position of this star wholly depends on Lacaille. [S.]
6360. The N.P.D. of Brisbane only (which differs upwards of 12″ from Taylor) is adopted for the modern comparison.
6366. The mean N.P.D. of Brisbane and Taylor (although differing above 8″) is adopted for the modern comparison.
6368. Bradley has no *A*R, and it here depends solely on Groombridge.
6374. The position of this star depends wholly on Lacaille. [S.]
6377. The position of this star depends wholly on Lacaille. [S.]
6382. The position of this star depends wholly on Lacaille. [S.]
6386. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.
6389. The position of this star depends wholly on Lacaille. [S.]
6396. The position of this star depends wholly on Lacaille. [S.]
6398. The mean N.P.D. of Brisbane and Taylor (although differing 6″) is taken for the modern comparison.
6400. The position of this star depends wholly on Lacaille. [S.]
6403. The position of this star depends wholly on Lacaille. [S.]
6406. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.
6408. The position of this star depends wholly on Lacaille. [S.]
6410. Bradley has no *A*R, and it here depends solely on Groombridge.
6413. The position of this star depends wholly on Lacaille. [S.]
6414. The position of this star depends wholly on Lacaille. [S.]
6416. The position of this star depends wholly on Lacaille. [S.]
6418. Bradley's four observations in *A*R do not well accord; the extreme difference is 23″,7.
6422. The position of this star depends wholly on Lacaille. [S.]
6423. Bradley's *A*R in the *Fund. Astron.* should be 283° 56′ 50″,7, and the annual precessions −110″,98 and −113″,41. It was observed by him on Sept. 5, 1753. He has no N.P.D., and it here depends solely on Groombridge.
6424. The position of this star depends wholly on Lacaille. [S.]
6431. Bradley has no *A*R, and it here depends solely on Bessel (40).
6435. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is adopted for the modern comparison.
6437. The position of this star depends wholly on Lacaille. [S.]
6445. The position of this star depends wholly on Lacaille. [S.]
6446. The position of this star depends wholly on Lacaille. [S.]
6447. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]
6449. The position of this star is here deduced from the observation made by Lacaille with the rhomboidal micrometer, on Aug. 6, 1751. Mr. Henderson says that if 8^m be added to the time of egress the star will agree with Brisbane 6554.
6455. The position of this star depends wholly on Lacaille. [S.]
6459. The position of this star depends wholly on Lacaille. [S.]
6462. In Bradley's observations the preceding star (N°. 6417) is said to be the most northernly. See Bessel's note to this star in *Fund. Astron.*
6463. The mean *A*R of Pond, Taylor and Groombridge, is taken for the modern comparison, although the latter accords best with Bradley and Piazzi.
6465. The position of this star depends wholly on Lacaille. [S.]

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6468. Bradley has no $\mathcal{R}$, and it here depends solely on Lalande (*Hist. Cél.*, page 19).
6475. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. It was observed also by Groombridge (2717). [S.]
6478. Bradley's two observations in $\mathcal{R}$ differ $12''{,}1$. The mean of Pond, Groombridge and Taylor, is taken for the modern comparison.
6479. The position of this star depends wholly on Lacaille. [S.]
6480. Bradley has no $\mathcal{R}$, and it here depends solely on Lalande (*Hist. Cél.*, page 19).
6496. The mean $\mathcal{R}$ of Taylor, Pond and Groombridge, is adopted for the modern comparison, although their extreme difference is $0^s{,}52$.
6502. The position of this star depends wholly on Lacaille. [S.]
6504. The position of this star depends wholly on the observation at page 173 of *Hist. Cél.* [S.]
6505. The position of this star depends wholly on Lacaille. [S.]
6509. This star has not been observed by any modern astronomer, and its position has therefore been brought up by precession alone from Lacaille.
6512. The position of this star depends wholly on Lacaille. [S.]
6517. Bradley has no N.P.D. of this star, and it is therefore here deduced from Airy (Greenwich observations for 1838), who also furnishes the modern comparison in $\mathcal{R}$.
6519. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]
6527. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (41).
6529. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.
6531. The position of this star depends wholly on Lacaille. [S.]
6532. The position of this star depends wholly on Lacaille. [S.]
6534. The position of this star depends wholly on the observation at page 20 of *Hist. Cél.* [S.]
6536. Bradley has no N.P.D., and it here depends solely on modern observations.
6537. The position of this star depends wholly on Lacaille. [S.]
6538. The position of this star depends wholly on Lacaille. [S.]
6539. The position of this star depends wholly on the observation at page 173 of *Hist. Cél.* [S.]
6540. The position of this star depends wholly on Lacaille. [S.]
6542. Bradley has no $\mathcal{R}$, and it here depends solely on Lalande (*Hist. Cél.*, page 101).
6544. The position of this star has been derived from the observation at page 171 of *Hist. Cél.* [S.]
6549. The position of this star depends entirely on Lacaille. [S.]
6554. The position of this star depends entirely on Lacaille. [S.]
6563. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observation. This star is designated as 56 *Draconis* by Piazzi; but the star so called by Flamsteed does not exist. See Baily's 'Flamsteed,' page 625.
6565. The position of this star depends entirely on Lacaille. [S.]
6567. Bradley has no $\mathcal{R}$, and it here depends solely on the observation at page 20 of *Hist. Cél.* [S.]
6568. The position of this star depends entirely on Lacaille. [S.]
6569. The position of this star depends entirely on Lacaille. [S.]
6574. The position of this star depends entirely on the observation at page 105 of *Hist. Cél.* [S.]
6577. The position of this star depends entirely on Lacaille. [S.]
6578. The position of this star depends entirely on Lacaille. [S.]
6591. Bradley has no N.P.D., and it here depends solely on the observation at page 116 of *Hist. Cél.*, which has also furnished the modern comparison for $\mathcal{R}$.
6592. The mean N.P.D. of Brisbane and Taylor (although differing $11''$) is taken for the modern comparison.
6594. The position of this star depends entirely on Lacaille. [S.]

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6600. Bradley's three observations in $\mathcal{R}$ do not well accord: the extreme difference is 28″,1.

6602. The position of this star depends entirely on the observation at page 28 of *Hist. Cél.* [S.]

6609. The position of this star depends entirely on Lacaille. [S.]

6611. The position of this star depends entirely on Lacaille. [S.]

6613. The position of this star depends entirely on Lacaille. [S.]

6617. Bradley has no N.P.D. of this star, and it is therefore deduced from Airy (G), who also furnishes the modern comparison for the $\mathcal{R}$.

6627. The position of this star depends entirely on Lacaille. [S.]

6631. The position of this star depends entirely on Lacaille. [S.]

6638. Brisbane's N.P.D. (which differs upwards of 12″ from Taylor's) is here taken for the modern comparison, as it accords best with Piazzi.

6651. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor. [S.]

6652. Bradley has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 93).

6655. The mean N.P.D. of Brisbane and Taylor (although differing nearly 8″) is taken for the modern comparison.

6662. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. It was also observed by Groombridge (2842), Argelander (444), and Pond (847).

6665. The position of this star depends entirely on Lacaille. [S.]

6672. The position of this star depends entirely on Lacaille. [S.]

6673. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor. Bradley and Piazzi call this star 5 *Cygni*; but the star so denominated by Flamsteed does not exist. See Baily's 'Flamsteed,' page 624.

6676. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

6677. The position of this star depends entirely on Lacaille. [S.]

6680. The position of this star depends entirely on Lacaille. [S.]

6682. This is probably the same star as that observed by Lacaille, with the rhomboidal micrometer, on June 18, 1752.

6684. The position of this star depends entirely on Lacaille. [S.]

6685. The position of this star depends entirely on Lacaille. [S.]

6693. The position of this star depends entirely on Lacaille. [S.]

6714. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observation.

6716. The position of this star depends entirely on Lacaille. [S.]

6718. The position of this star depends entirely on Groombridge (2877). [S.]

6725. This star was observed by Lacaille, with the rhomboidal micrometer, on June 16, 1752, at $19^h\ 23^m\ 10^s$. It is not to be found in any modern catalogue; its position is therefore deduced by precession alone.

6726. Bradley's two observations in N.P.D. differ 9″,6.

6729. The mean N.P.D. of Pond and Taylor (although they differ 7″) is here taken for the modern comparison.

6730. The mean $\mathcal{R}$ of Argelander and Taylor (although they differ 0^s,6) is here taken for the modern comparison. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

6738. The position of this star depends entirely on Lacaille. [S.]

6750. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

6761. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

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6762. The mean $\mathcal{R}$ of Taylor and Wrottesley (although they differ $0^s,5$) is here taken for the modern comparison.
6768. The position of this star depends entirely on Lacaille. [S.]
6770. The position of this star depends entirely on Lacaille. [S.]
6775. The position of this star depends entirely on Lacaille. [S.]
6782. The mean N.P.D. of Brisbane and Taylor (although differing $6''$) is taken for the modern comparison.
6785. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.
6786. The position of this star depends entirely on Lacaille. [S.]
6791. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (42).
6792. The position of this star depends entirely on Lacaille. [S.]
6793. The $\mathcal{R}$ of this star is brought up from Brisbane by Bessel's formula.
6795. The position of this star depends entirely on Lacaille. [S.]
6806. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. Piazzi designates this star as 19 *Cygni*; but the star so called by Flamsteed is No. 6813 of this catalogue. See Baily's 'Flamsteed,' page 627.
6814. The position of this star depends entirely on Lacaille. [S.]
6815. The position of this star depends entirely on the observation at page 109 of *Hist. Cél.* [S.]
6829. The position of this star depends entirely on Lacaille. [S.]
6831. The position of this star depends entirely on Lacaille. [S.]
6841. The position of this star depends entirely on Lacaille. [S.]
6852. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]
6854. The position of this star depends entirely on Lacaille. [S.]
6855. Bradley has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 176).
6869. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (43).
6887. The position of this star depends entirely on Lacaille. [S.]
6888. The position of this star depends entirely on Lacaille. [S.]
6896. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.
6898. The position of this star depends entirely on Lacaille. [S.]
6899. The position of this star depends entirely on Lacaille. [S.]
6906. The position of this star depends entirely on Lacaille. [S.]
6908. The position of this star depends wholly on Lacaille. [S.]
6914. Airy and Taylor differ $0^s,64$ in $\mathcal{R}$; the mean however is taken for the modern comparison.
6916. The mean N.P.D. of Brisbane and Taylor is taken for the modern comparison. Rumker differs therefrom about two years' precession.
6917. This star will correspond with Brisbane 6808 if we suppose an error of 1° in the N.P.D.
6920. The position of this star depends wholly on Lacaille. [S.]
6927. Bradley has no N.P.D., and it here depends solely on Bessel (44).
6929. This star was observed by Lacaille with the rhomboidal micrometer, on Aug. 6th, 1751, at $19^h\,45^m\,51^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.
6939. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.
6941. The position of this star has been derived from a comparison of Bradley with the observation at p. 93 of *Hist. Cél.*, there being no modern observation. [S.]
6946. The position of this star depends wholly on Lacaille. [S.]
6948. The position of this star depends wholly on Lacaille. [S.]

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6951. The N.P.D. of Brisbane is taken for the modern comparison. It differs 12″ from Rumker, who has only one observation.

6955. This star was observed by Lacaille with the rhomboidal micrometer, on Sept. 26, 1751. at $19^h\ 39^m\ 16^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

6957. Bradley's two observations in N.P.D. differ 14″,4.

6962. The mean N.P.D. of Groombridge and Taylor (although they differ 6″) is taken for the modern comparison.

6966. This star was also observed by Flamsteed (B.F. 2758). Its position here depends wholly on the observation at page 26 of *Hist. Cél.* [S.]

6969. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

6976. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. It was also observed by Groombridge (3102) and Pond (895). [S.]

6977. The position of this star depends wholly on Lacaille. [S.]

6978. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor. Bradley and Piazzi have this star of the $7\frac{1}{2}$ magnitude, and Taylor of the 6th. [S.]

6980. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

6982. The position of this star depends wholly on Lacaille. [S.]

6984. The position of this star depends wholly on Lacaille. [S.]

6986. Bradley has no N.P.D., and it here depends solely on Groombridge.

6992. Bradley has only one observation in N.P.D., and on this account Argelander prefers Mayer's determination, which is founded on eight observations, and which has been here adopted.

6999. Bradley's three observations in $\mathcal{R}$ do not well accord; the extreme difference is 98″,4. See Argelander's note to this star in his catalogue.

7005. Bessel is of opinion that the $\mathcal{R}$ of this star in Piazzi's first catalogue is more correct than in the second catalogue. The difference is 46″,3, and has probably arisen from an error of 3^s.

7006. Bradley has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 16).

7007. Bradley has no N.P.D., and it here depends solely on Bessel (45).

7011. The position of this star depends wholly on Lacaille. [S.]

7012. The position of this star depends wholly on Lacaille. [S.]

7014. This star was also observed by Flamsteed (B.F 2775). Its position here depends wholly on the observation in page 190 of *Hist. Cél.* [S.]

7018. The position of this star depends wholly on Lacaille. [S.]

7019. Notwithstanding the correction of 1^m in $\mathcal{R}$ in Mayer's catalogue, it still differs about 1′ from Piazzi and Taylor. The $\mathcal{R}$ is therefore deduced from these last authorities.

7020. The $\mathcal{R}$ of this star is brought up from Johnson alone, by means of Bessel's formula.

7021. The position of this star depends wholly on Lacaille. [S.]

7026. The position of this star depends wholly on Lacaille. [S.]

7030. The position of this star depends wholly on Lacaille. [S.]

7032. The position of this star depends wholly on Lacaille. [S.]

7033. The position of this star depends wholly on Lacaille. [S.]

7034. The position of this star depends wholly on Lacaille. [S.]

7037. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.

7039. The position of this star depends wholly on Lacaille. [S.]

7040. The position of this star depends wholly on Lacaille. [S.]

7044. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

7051. Airy's N.P.D. (in Greenwich observations for 1836) is here adopted: Taylor's differs therefrom about 8″.

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7053. Bradley has no N.P.D., and it is here deduced by assuming it to be 9″,1 south of its companion 12 *Capricorni*, which is the mean difference of Taylor and Piazzi.

7056. The mean N.P.D. of Brisbane and Rumker (although differing 13″) is taken for the modern comparison.

7057. The position of this star depends wholly on Lacaille. [S.]

7063. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]

7071. The position of this star depends wholly on Lacaille. [S.]

7074. The mean N.P.D. of Brisbane and Rumker (although differing 7″) is taken for the modern comparison.

7075. This star was observed by Lacaille with the rhomboidal micrometer, on September 20, 1751, at $20^h\ 4^m\ 58^s$; it is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

7076. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

7079. Bradley has no *Æ*R, and it is here deduced from a comparison of Piazzi (178) with Taylor (iii. 2565).

7086. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]

7087. Mayer's declination in his catalogue should be $-14°\ 32'\ 21''{,}3$, which is the value here adopted for comparison with Taylor.

7089. This star was observed by Lacaille with the rhomboidal micrometer, on August 23, 1751, at $20^h\ 7^m\ 4^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

7090. Bradley has no *Æ*R, and it is here deduced from a comparison of Piazzi with Taylor. [S.]

7091. The mean *Æ*R of Pond and Groombridge (which differs $0^s{,}65$ from Taylor's) is here taken for the modern comparison.

7093. The position of this star depends wholly on Lacaille. [S.]

7108. The position of this star depends wholly on Lacaille. [S.]

7111. The position of this star depends wholly on Lacaille. [S.]

7113. The position of this star depends wholly on Lacaille. [S.]

7124. Bradley has no *Æ*R, and it is here deduced from a comparison of Piazzi with modern observations.

7128. The position of this star depends wholly on Lacaille. [S.]

7130. Bradley has no *Æ*R, and it is here deduced from a comparison of Piazzi with modern observations.

7131. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

7132. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

7133. The position of this star depends wholly on Lacaille. [S.]

7135. The position of this star depends wholly on Lacaille. [S.]

7136. The position of this star depends wholly on Lacaille. [S.]

7139. The position of this star depends wholly on Lacaille. [S.]

7147. The position of this star depends wholly on Lacaille. [S.]

7148. The position of this star depends wholly on Lacaille. [S.]

7150. Bradley has no N.P.D., and it here depends wholly on Lalande (*Hist. Cél.*, page 109).

7156. The mean *Æ*R of Pond, Groombridge and Taylor, is taken for the modern comparison, although there is a difference of $0^s{,}86$ between the extremes.

7157. Bradley has no *Æ*R, and it here depends solely on Lalande (*Hist. Cél.*, page 94).

7161. The position of this star is here derived from a comparison of Bradley with the observation at page 1 of *Hist. Cél.*, there being no modern observation. [S.]

7162. The position of this star depends wholly on Lacaille. [S.]

7168. The position of this star depends wholly on Lacaille. [S.]

7169. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

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7170. The position of this star depends wholly on Lacaille. [S.]
7171. This star is Argelander 474, Groombridge 3257 (who has it of the 2nd magnitude), and Pond 923. [S.]
7172. The position of this star has been derived from the observation at page 183 of *Hist. Cél.* [S.]
7175. The N.P.D. of Brisbane is adopted for the modern comparison. It differs 6″ from Taylor's.
7178. Bradley's three observations in $\mathcal{R}$ do not well accord; the extreme difference is 31″,4.
7180. The position of this star depends wholly on Lacaille. [S.]
7181. The position of this star depends wholly on Lacaille. [S.]
7183. The position of this star depends wholly on Lacaille. [S.]
7184. The $\mathcal{R}$ of this star is brought up by Bessel's formula.
7185. Bradley's two observations in $\mathcal{R}$ differ 10″,8.
7187. The position of this star depends wholly on Lacaille. [S.]
7190. The mean N.P.D. of Brisbane and Taylor is adopted, although they differ above 8″.
7202. The position of this star has been derived from the observation at page 177 of *Hist. Cél.* [S.]
7203. The position of this star depends wholly on Lacaille. [S.]
7210. This star was observed by Lacaille (page 131) on June 24, 1751. [S.]
7214. The position of this star depends wholly on Lacaille. [S.]
7215. This star was also observed by Flamsteed (B.F 2846), Groombridge (3281), and Pond (931). [S.]
7216. The position of this star depends wholly on Lacaille. [S.]
7217. The modern comparison of this star is taken from the Greenwich observations for 1840. [S.]
7224. The position of this star depends wholly on Lacaille. [S.]
7244. The position of this star depends wholly on Lacaille. [S.]
7245. The mean N.P.D. of Brisbane and Rumker is adopted, although they differ above 6″.
7247. Taylor has no $\mathcal{R}$, and it here depends solely on Piazzi.
7248. The position of this star depends wholly on the observation at page 178 of *Hist. Cél.* [S.]
7250. The $\mathcal{R}$ of this star is brought up by precession alone from Lacaille, but the N.P.D. is compared with Maclear.
7259. Bradley has no N.P.D., and it here depends wholly on modern observations. This star is also Bessel 46. [S.]
7262. Taylor's declination appears to be erroneous about 9″. The N.P.D. is therefore here deduced from Piazzi and Groombridge (3329).
7268. Bradley has no $\mathcal{R}$, and it here depends solely on Lalande (*Hist. Cél.*, page 241).
7274. Bradley has no $\mathcal{R}$, and it here depends solely on Lalande.
7281. Bradley has no $\mathcal{R}$, and it here depends wholly on modern observations. It was observed also by Pond (938), and Airy (C) and (G). [S.]
7283. Bradley's two observations in $\mathcal{R}$ differ 11″,3.
7285. The position of this star depends wholly on the observation at page 188 of *Hist. Cél.* [S.]
7289. The mean N.P.D. of Brisbane and Taylor (although differing above 9″) is taken for the modern comparison.
7290. Bradley has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 1).
7293. This star was observed by Lacaille with the rhomboidal micrometer, on September 14, 1751, at $20^h\ 39^m\ 10^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.
7299. Bradley has no N.P.D., and it here depends wholly on modern observations. The annual precessions in $\mathcal{R}$ in the *Fund. Astron.* should be −32″,120 and −34″,003.
7308. This star was observed by Lacaille with the rhomboidal micrometer, on September 14, 1751, at $20^h\ 40^m\ 26^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

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7310. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (47).

7311. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge. The declination of this star in the *Fund. Astron.* should be $+74^\circ\ 58'\ 26''{,}7$, and the annual precessions in $\mathcal{R}$ $-7''{,}322$ and $-8''{,}153$. It was observed by Bradley on September 16, 1750.

7320. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

7321. The mean N.P.D. of Brisbane and Taylor (although differing nearly $6''$) is taken for the modern comparison.

7324. Bradley's two observations in $\mathcal{R}$ differ $11''{,}5$.

7325. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

7327. The position of this star depends wholly on Lacaille. [S.]

7337. All the catalogues except Taylor's and Argelander's make this star *north* of its companion. Argelander states that Pond's $\mathcal{R}$ is erroneous. See Bessel's *Fund. Astron.*, page 312.

7338. The mean N.P.D. of Brisbane and Taylor (although differing nearly $7''$) is taken for the modern comparison.

7340. The position of this star depends entirely on Lacaille. [S.]

7347. The position of this star depends entirely on Lacaille. [S.]

7353. The mean N.P.D. of Brisbane and Taylor (although differing $9''$) is taken for the modern comparison.

7354. The N.P.D. of this star is only approximate. Bradley and Bessel have both only an approximate declination.

7356. Bradley has no N.P.D., and it here depends solely on Bessel (49).

7359. The position of this star depends entirely on Lacaille. [S.]

7361. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

7366. The position of this star depends entirely on Lacaille. [S.]

7369. The position of this star depends entirely on Lacaille. [S.]

7381. The mean of Taylor, Groombridge and Pond, is adopted for the modern comparison in $\mathcal{R}$, although their extreme difference is $1^s{,}36$.

7398. Taylor's N.P.D. is erroneous $1'$.

7402. Bradley has no N.P.D., and it here depends solely on Groombridge.

7408. Bradley has no N.P.D., and it here depends solely on Taylor.

7409. The mean $\mathcal{R}$ of Johnson and Taylor (although differing nearly $1^s{,}0$) is taken for the modern comparison.

7410. The position of this star depends entirely on the observation at page 29 of *Hist. Cél.* [S.]

7417. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]

7430. The approximate position of this star has been derived from Argelander's *Uranometria Nova.* [S.]

7436. The position of this star depends entirely on Lacaille. [S.]

7438. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

7443. Taylor's N.P.D. is presumed to be 1° in error: after this correction the mean with Brisbane is taken for the modern comparison.

7450. The position of this star depends entirely on the observation at page 188 of *Hist. Cél.* [S.]

7452. The N.P.D. of this star is brought up from Lacaille by precession alone, as Rumker has no observation of it in N.P.D.

7455. Groombridge's position of this star is taken for the modern comparison, as Taylor has no observation in $\mathcal{R}$, and his N.P.D. appears to be erroneous about one year's precession.

7458. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor, who differs nearly $15''$ from Brisbane.

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7467. The position of this star depends entirely on Lacaille; it is probably the same star as the preceding (N°. 7466). [S.]

7481. Brisbane does not notice this as a double star, although he made ten observations of it. Lacaille gives the positions of both stars, and the mean is taken for the comparison.

7491. Bradley's two observations in $\mathcal{R}$ differ 10″,2.

7496. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]

7497. Bradley has no $\mathcal{R}$, and it here depends solely on Lalande (*Hist. Cél.*, page 190).

7501. Bradley has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 1). [S.]

7502. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor, who differs 7″ from Brisbane.

7504. The $\mathcal{R}$ of this star is brought up by Bessel's formula.

7515. The position of this star has been derived from the observations in Bessel's zones 16 and 18. [S.]

7523. The position of this star depends entirely on Lacaille. [S.]

7528. The position of this star depends entirely on the observation at page 32 of *Hist. Cél.* [S.]

7533. Taylor's declination appears to be erroneous about 10″; the N.P.D. is therefore here deduced from a comparison with the mean of Piazzi and Groombridge.

7538. The mean N.P.D. of Brisbane and Taylor (although differing above 8″) is taken for the modern comparison.

7541. The mean N.P.D. of Brisbane and Taylor (although differing above 10″) is taken for the modern comparison.

7549. The position of this star depends entirely on Lacaille. [S.]

7552. The mean N.P.D. of Brisbane and Rumker (although they differ 9″) is taken for the modern comparison.

7553. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

7556. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

7557. Bradley's two observations in N.P.D. differ 10″,3.

7558. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (50).

7562. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

7564. Argelander, Bessel and Groombridge indicate an error of about 5^s in Bradley's $\mathcal{R}$, it is therefore here deduced from Argelander and Bessel only. It was observed by Bradley on September 26, 1753, at $21^h\ 37^m\ 4\frac{1}{2}^s$, which Argelander thinks should be $21^h\ 37^m\ 9\frac{1}{2}^s$. Bradley has no N.P.D., and it here depends wholly on modern observations.

7566. Bradley has no N.P.D., and it here depends solely on Airy (G). This is a double star, and Airy has made distinct observations of them both. It is the preceding one of the two that has here been taken, and which is the same as was observed by Bradley.

7569. This is the star mentioned by Piazzi in the note to xxi. 266, as following 78 *Cygni* μ 0^s,3, and in the same parallel, which is here adopted. Bradley has no N.P.D., and it is here deduced from the Greenwich observations for 1838.

7571. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

7581. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.

7584. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

7586. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

7590. Bradley has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 36).

7592. The mean N.P.D. of Brisbane and Taylor (although differing nearly 7″) is taken for the modern comparison.

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7595. Bradley's two observations in $\mathcal{R}$ differ 14″,8.

7610. This star was also observed by Pond (994). [S.]

7613. See the note in page 62 of the Preface.

7615. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

7617. The position of this star depends entirely on the observation at page 571 of *Hist. Cél.* [S.]

7619. This star was observed by Lacaille, with the rhomboidal micrometer, on August 23, 1751, at $21^h\ 32^m\ 1^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

7620. The position of this star depends entirely on the observation at page 571 of *Hist. Cél.* [S.]

7631. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.

7635. The mean N.P.D. of Brisbane and Taylor (although differing above 7″) is taken for the modern comparison.

7636. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Groombridge and Taylor, although they differ 8″.

7637. Bradley has no $\mathcal{R}$, and it is here deduced from Piazzi and Groombridge; that is, from the mean of the two reduced to 1850.

7642. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

7643. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

7644. Bradley has no N.P.D., and it here depends solely on Bessel (52).

7650. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

7652. The position of this star depends entirely on Lacaille. [S.]

7653. The position of this star depends entirely on the Greenwich observations for 1838. [S.]

7656. There appears to be some doubt respecting the identity of this star. [S.]

7675. The N.P.D. of Taylor is taken for the modern comparison. It differs nearly 10″ from Brisbane's, who has only one observation.

7677. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge. The precessions in declination in the *Fund. Astron.* should be transposed.

7680. Bradley has no N.P.D., and it here depends solely on Bessel.

7690. Bradley has no N.P.D., and it is evident from modern observations, that some error has been committed in the $\mathcal{R}$. On this account the $\mathcal{R}$ of the star is here taken from the mean of Taylor and Wrottesley, and the N.P.D. from Taylor alone. It was observed by Bradley on November 13, 1759.

7697. The position of this star depends entirely on the observation at page 571 of *Hist. Cél.* [S.]

7699. Bradley has no N.P.D., and it here depends solely on Groombridge.

7700. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

7702. The N.P.D. for the modern comparison is deduced from Brisbane alone, as Taylor appears to be about 1′ in error.

7703. The position of this star depends entirely on the observation at page 572 of *Hist. Cél.* [S.]

7704. Bradley has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 100).

7708. The mean $\mathcal{R}$ of Taylor and Airy (although they differ about 0^s,60) is here adopted for the modern comparison.

7709. The position of this star depends entirely on the observation at page 181 of *Hist. Cél.* [S.]

7713. The $\mathcal{R}$ of this star is brought up from Johnson and Maclear by Bessel's formula. Lacaille's declination appears to be about 5′ in error, and it is consequently omitted.

7714. The mean N.P.D. of Brisbane and Taylor (although they differ above 11″) is here taken for the modern comparison.

7715. The mean N.P.D. of Brisbane and Taylor (although differing nearly 8″) is taken for the modern comparison.

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7716. Bradley has only one observation of this star, which was made on September 24, 1756. But this has not been reduced by Bessel, and consequently not inserted in the *Fund. Astron.* See the note to N°. 7717 in this catalogue, which is the star that Bradley mistook for 36 *Aquarii*. Its position has here been deduced from a comparison of Piazzi with modern observations.

7717. Bessel has quoted only one observation of this star by Bradley; but the fact is that the five observations which are recorded by Bradley as belonging to 36 *Aquarii*, really belong also to this star, as will be evident from a comparison of the differences between the times of transit of the star in question and any of the neighbouring stars observed on the same days. The six observations here alluded to were made on November 20 and December 3, 1753, and on September 27, November 20, 21 and 28, 1754, all of which are called by Bradley 36 *Aquarii*, except that of November 20, 1754, and indicate one and the same star, and that its $\mathcal{R}$ in Bradley's catalogue should be 329° 8′ 15″,0, which is the quantity here assumed. The $\mathcal{R}$ against 36 *Aquarii* should therefore be erased. Bradley has no N.P.D., and it here depends solely on Argelander. The observation made on November 20, 1754, has the N.P.D. 98° 42′ marked against it, which denotes that it was not 36 *Aquarii*.

7720. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

7726. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

7740. Bradley has no N.P.D., and it here depends solely on Taylor.

7744. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

7748. The mean N.P.D. of Brisbane and Taylor (although differing 14″) is taken for the modern comparison.

7752. Bradley has no N.P.D., and it here depends solely on Taylor.

7754. From the observations of Airy and Groombridge it appears that Bradley's declination should be + 55° 37′ 36″,6, which is the value here assumed. Bessel says that the two observations of Bradley (one above and the other below the pole) agree within 0″,8. These observations were made on November 18, 1750, and November 26, 1752; but there is 1′ difference in the results, which is the error here alluded to.

7759. The approximate position of this star has been derived from Argelander's *Uranometria Nova*. [S.]

7761. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations.

7769. This star was observed by Lacaille with the rhomboidal micrometer, on October 21, 1751, at $21^h\ 59^m\ 41^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

7774. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Mayer with modern observations.

7775. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with Taylor.

7779. Bradley has no N.P.D., and it here depends solely on Bessel.

7780. This star was observed by Lacaille, with the rhomboidal micrometer, on August 31, 1751, at $22^h\ 0^m\ 37^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

7807. Bradley's three observations in $\mathcal{R}$ do not well accord; the extreme difference is 14″,7. Argelander considers that 1ˢ,0 should be added to the first observation: if so, the value in this catalogue should be $22^h\ 16^m\ 26^s,54$.

7818. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. This is probably the companion of the following star.

7822. The position of this star depends entirely on Lacaille. [S.]

7826. The mean N.P.D. of Brisbane and Taylor (although differing nearly 10″) is taken for the modern comparison.

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7832. This is a double star; its companion (Pond 1024) is 3″,2 further south. Piazzi mentions the companion star in his note.

7835. Bradley has no N.P.D., and it here depends solely on Taylor.

7837. Bradley's two observations in *A*R differ 16″,2.

7839. This star is supposed to be Ptolemy's *Piscis Aust.*

7840. Bradley's three observations in N.P.D. do not well accord; the extreme difference is 10″,1.

7847. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. It is the companion of the following star.

7851. Bradley's two observations in *A*R differ 40″,7.

7852. This star was observed by Lacaille with the rhomboidal micrometer, on September 14, 1751, at $22^h\ 16^m\ 2^s$. It is not to be found in any modern catalogue, and therefore its position is brought up by precession alone.

7866. The position of this star depends entirely on the observation at page 570 of *Hist. Cél.* [S.]

7879. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. There is no modern observation of this star in *A*R, and it is here deduced from a comparison of Bradley and Piazzi.

7887. The mean N.P.D. of Brisbane and Taylor (although differing nearly 8″) is taken for the modern comparison.

7896. The mean *A*R of Taylor, Pond and Groombridge (although their extreme difference is 0^s,84) is adopted for the modern comparison.

7898. The N.P.D. of Airy and Johnson agree best with that of Bradley and Piazzi, and the mean of the two is therefore taken for the modern comparison. Pond and Taylor are about 6″ less, and Brisbane about the same quantity more than that mean.

7909. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. Bradley's precession in *A*R for 1800 should be 50″,455.

7915. Bradley has no *A*R, and it is here deduced from a comparison of Piazzi with modern observations.

7934. The mean N.P.D. of Brisbane and Taylor (although differing above 14″) is taken for the modern comparison.

7940. This star was observed by Lacaille with the rhomboidal micrometer, on September 14, 1751, at $22^h\ 30^m\ 24^s$. It is not to be found in any modern catalogue, and its position therefore is brought up by precession alone.

7953. Bradley has no *A*R, and it here depends solely on Groombridge.

7957. The mean N.P.D. of Brisbane and Taylor (although differing nearly 8″) is taken for the modern comparison.

7960. Taylor's *A*R is erroneous 1^m.

7973. Bradley has no *A*R, and it here depends wholly on modern observations.

7977. The position of this star depends entirely on the observation at page 118 of *Hist. Cél.* [S.]

7991. This star was observed by Lacaille with the rhomboidal micrometer, on November 3, 1751, at $22^h\ 40^m\ 50^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

7995. The position of this star depends entirely on Groombridge (3930). [S.]

7996. The position of this star depends entirely on the observation at page 110 of *Hist. Cél.* [S.]

7999. The position of this star depends entirely on Groombridge (3933). [S.]

8006. Brisbane's declination is not included, as it differs 7″ from Taylor's.

8019. Bradley has no *A*R, and it here depends wholly on modern observations. It was also observed by Airy (C).

8024. Bradley has no *A*R, and it here depends solely on Bessel (55).

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8025. The mean N.P.D. of Brisbane and Taylor (although differing nearly 7″) is taken for the modern comparison.

8029. The position of this star depends entirely on Lacaille. [S.]

8039. Bradley has no $\mathcal{R}$, and it here depends wholly on modern observations. It was also observed by Airy (C). [S.]

8040. The $\mathcal{R}$ of this star is brought up by precession alone from Lacaille, as Brisbane has no observation of it in $\mathcal{R}$.

8050. Taylor's N.P.D. is erroneous 1′.

8055. This star was observed by Lacaille with the rhomboidal micrometer, on Aug. 6, 1751, at $22^h\,52^m\,22^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

8056. Bradley has no N.P.D., and it here depends solely on Groombridge.

8057. The $\mathcal{R}$ of this star is brought up by precession alone, as Brisbane has no observation of it in $\mathcal{R}$.

8063. The mean N.P.D. of Brisbane and Taylor (although differing above 6″) is taken for the modern comparison.

8065. Bradley has no N.P.D., and it here depends solely on Taylor.

8072. The $\mathcal{R}$ of this star is reduced from Rumker and Johnson by Bessel's formula.

8083. Bradley has no $\mathcal{R}$, and it here depends wholly on modern observations. From the note of Argelander to this star in his catalogue, it would appear to be affected with a considerable proper motion, which upon that authority is inserted in the present catalogue.

8086. The N.P.D. of this star was brought up by precession alone from Lacaille, as Rumker has no observation of it in N.P.D.

8091. Bradley has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 123).

8092. The mean N.P.D. of Brisbane and Taylor (although differing nearly 10″) is taken for the modern comparison.

8094. The position of this star depends entirely on the observation at page 187 of *Hist. Cél.* [S.]

8104. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.

8106. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.

8107. Bradley has no $\mathcal{R}$, and it here depends wholly on modern observations. From the remarks of Argelander, in the note to this star in his catalogue, it would appear that it has a considerable proper motion in N.P.D., which on that authority is introduced into the present catalogue. It was also observed by Bessel (57). [S.]

8112. The mean N.P.D. of Brisbane and Taylor (although differing above 11″) is taken for the modern comparison.

8123. The position of this star depends entirely on the observation at page 187 of *Hist. Cél.* [S.]

8124. The mean $\mathcal{R}$ of Taylor, Airy and Groombridge, although their extreme difference is $0^s,90$, is adopted for the modern comparison.

8126. Bradley has no N.P.D., and it here depends on a comparison of Piazzi with modern observations.

8134. The position of this star is derived from Argelander's notes, *Ast. Nach.*, N°. 226. [S.]

8135. The position of this star depends entirely on the observation at page 3 of *Hist. Cél.* [S.]

8137. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (58).

8138. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (59).

8139. Bradley has no $\mathcal{R}$, and it here depends solely on Lalande (*Hist. Cél.*, page 476).

8147. Bradley has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 33).

8148. The mean N.P.D. of Brisbane and Taylor (although differing above 10″) is taken for the modern comparison.

8153. Bradley has no $\mathcal{R}$, and it here depends solely on Groombridge.

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8156. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations. Argelander in the note to this star in his catalogue, thinks that $1^s,0$ ought to be added to Bradley's $A\!R$, and modern observations confirm this suspicion. If this be done, the $A\!R$ in the present catalogue should be $23^h\ 16^m\ 25^s,69$.

8157. The mean N.P.D. of Brisbane and Taylor (although differing above $10''$) is taken for the modern comparison.

8158. Bradley has no $A\!R$, and it here depends solely on Groombridge.

8164. The N.P.D. of this star is brought up from Lacaille by precession alone, as Rumker has no observation of it in N.P.D.

8173. Bradley has no $A\!R$, and it here depends solely on Groombridge.

8180. Bradley has no $A\!R$, and it here depends wholly on modern observations. It was also observed by Airy (C) and (G). [S.]

8187. Bradley has no $A\!R$, and it here depends solely on Groombridge.

8188. This star was also observed by Flamsteed (B.F 3224) and Pond (1086). [S.]

8190. This star has not been observed by any modern astronomer; its position is therefore brought up by precession alone from Lacaille.

8196. Bradley has no N.P.D., and it is here deduced from a comparison of Piazzi with modern observations.

8204. Bradley has no $A\!R$, and it here depends solely on Bessel (60).

8207. The N.P.D. of Brisbane is taken for the modern comparison. Rumker, who has only one observation, differs above $11''$.

8209. The mean $A\!R$ of Rumker and Taylor, fifth catalogue, is here taken for the modern comparison; the $A\!R$ in his third catalogue, and also Brisbane's $A\!R$ being rejected.

8217. Bradley has no $A\!R$, and it here depends solely on Groombridge.

8220. The mean N.P.D. of Brisbane and Taylor (although differing nearly $8''$) is taken for the modern comparison.

8246. Argelander's N.P.D. (which differs upwards of $7''$ from Taylor's) is here taken for the modern comparison.

8247. Bradley has no N.P.D., and it here depends solely on Lalande (*Hist. Cél.*, page 34).

8252. Bradley has no $A\!R$, and it here depends solely on Bessel (61).

8253. The N.P.D. of Brisbane is taken for the modern comparison. It differs nearly $9''$ from Rumker, who has only one observation of it.

8254. This star was observed by Lacaille with the rhomboidal micrometer, on Nov. 14, 1751, at $23^h\ 30^m\ 23^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

8269. The position of this star has been derived from Bessel's zone 25. [S.]

8270. The position of this star has been derived from Bessel's zone 25. [S.]

8272. The position of this star depends entirely on the observation at page 127 of *Hist. Cél.* [S.]

8273. Bradley has no $A\!R$, and it is here deduced from a comparison of Piazzi with modern observations.

8280. Bradley has no $A\!R$, and it here depends solely on Bessel (62).

8282. Bradley has no $A\!R$, and it here depends solely on Groombridge.

8287. This star was observed also by Zach. Its position here depends entirely on the observation at page 349 of *Hist. Cél.* [S.]

8298. The modern comparison of this star in declination is taken from the Greenwich observations for 1840, on which alone the $A\!R$ depends.

8315. The position of this star depends entirely on the observation at page 127 of *Hist. Cél.* [S.]

8318. Brisbane's position of this star is rejected, as it appears from Taylor's note, page 171 of vol. v., that there is some confusion in his observations.

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8323. The mean $\mathcal{R}$ of Johnson and Taylor (although differing more than $0^s,5$) is taken for the modern comparison. Brisbane's $\mathcal{R}$ is rejected.

8325. The N.P.D. of this star is brought up by precession alone from Lacaille, as Rumker has no observation of it in N.P.D.

8328. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

8334. The $\mathcal{R}$ of Taylor and Rumker nearly agree, but Johnson differs about $0^s,7$; the mean of the three is taken for the modern comparison. Brisbane's $\mathcal{R}$ is rejected.

8336. Bradley has no N.P.D., and it here depends solely on Groombridge.

8337. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with Taylor.

8338. Bradley has no N.P.D., and it here depends solely on Bessel (63).

8344. Bradley has no $\mathcal{R}$, and it here depends wholly on modern observations. This star was also observed by Airy (C) and Pond (1107). [S.]

8351. Bradley has no N.P.D., and it is here deduced from a comparison of Mayer with modern observations.

8355. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (64).

8356. Bradley's position of this star is compared with the Greenwich observations for 1838 and 1839.

8360. The position of this star has been derived from Argelander's notes, *Ast. Nach.*, N°. 226. [S.]

8362. This star was observed by Lacaille with the rhomboidal micrometer, on Sept. 14, 1751, at $23^h\,48^m\,48^s$. It is not to be found in any modern catalogue, and its position is therefore brought up by precession alone.

8364. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (66).

8372. Bradley has no $\mathcal{R}$, and it here depends solely on Bessel (67).

8374. Bradley has no $\mathcal{R}$, and it is here deduced from a comparison of Piazzi with modern observations. Argelander, however, is of opinion that this star was observed by Bradley in $\mathcal{R}$, and that it is N°. 48 in the list given in *Fund. Astron.*, page 283.

THE END.

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